



Purchase Contract

(hereafter the “Contract”)

1. CONTRACTUAL PARTIES

1.1 Fyzikální ústav AV ČR, v. v. i. (Institute of Physics of the Czech Academy of Sciences),

with registered offices at: Na Slovance 1999/2, 182 00 Praha 8, Czech Republic,
represented by: RNDr. Michael Prouza, Ph.D., Director,
registered in the Register of public research institutions of the Ministry of Education, Youth and
Sports of the Czech Republic.
ID No.: 68378271

Bank: [REDACTED]
Account No.: [REDACTED]

(hereinafter referred to as the “Buyer”)

and

1.2 Uni-Export Instruments, s.r.o.,

with registered offices at: Šultysova 642/15, 169 00 Praha 6
represented by: Ing. Marek Černík, jednatel
registered in OR Městského soudu v Praze, oddíl C, vložka 17542.
ID No: 48582972
Tax ID No.: CZ48582972

Bank: [REDACTED]
Account No.: [REDACTED]

(hereinafter referred to as the “Seller”)

(the Buyer and the Seller are hereinafter jointly referred to as the “Parties” and each of them
individually as a “Party”).





2. FUNDAMENTAL PROVISIONS

- 2.1 The Buyer is a *Partner with a financial contribution* in the project "**Ferroic Multifunctionalities**" (**FerrMion**) under the *Operational Programme Jan Amos Komenský* within the framework of EU funds, project registration number **CZ.02.01.01/00/22_008/0004591** (hereinafter referred to as the "**Project**"). The subject of performance under this Contract is intended for the Project and mainly financed from the support provided for its implementation.
- 2.2 The Seller has been selected as the winner of a public procurement procedure announced by the Buyer in accordance with Act No. 134/2016 Coll., on Public Procurement, as amended (hereinafter the "**Act**"), for the public contract with the title "**Ultra-sensitive Raman system with optical continuous flow helium cryostat system**" (hereinafter the "**Procurement Procedure**").
- 2.3 The documentation necessary for the implementation of the subject of performance hereof consist of
- 2.3.1 **Technical specifications** of the subject of performance hereof attached as **Annex No. 1** hereto.
- 2.3.2 The Seller's bid submitted within the Procurement Procedure in its parts which describe the subject of performance in technical detail (hereinafter the "**Seller's Bid**"); the Sellers's Bid forms **Annex No. 2** to this Contract and is an integral part hereof.

In the event of a conflict between the Contract and its Annex or between the Contract's Annexes, the technical specification / requirement of the higher level / quality shall prevail.

- 2.4 The Seller acknowledges that it is essential for the Buyer that the Seller delivers and handovers the subject of performance within the specified time and in the specified quality as stated in Annexes No. 1 and 2 of this Contract (including invoicing). If the Seller fails to comply with the contractual requirements, the Buyer may incur damages.

3. SUBJECT-MATTER OF THE CONTRACT

- 3.1 The subject of this Contract is the Seller's obligation to deliver and transfer into the Buyer's ownership:

An ultra-sensitive Raman system with optical continuous flow helium cryostat system specified in detail in Annexes No. 1 and No. 2 hereto

(hereinafter the "**Equipment**")

and the Buyer's obligation to accept the Equipment and to pay the Seller the purchase price as defined below.

- 3.2 The following activities are an integral part of the performance to be provided by the Seller:
- 3.2.1 Transport of the Equipment incl. all accessories specified in Annexes No. 1 and 2 hereto to the place of performance, un-packaging and control thereof;
- 3.2.2 Installation of the Equipment and all components necessary to operate the Equipment including connection to installation infrastructure at the place of performance;





- 3.2.3 Verification of the functionality of the Equipment and compliance with technical parameters according to Annexes No. 1 and 2 after installation; the functionality of the Equipment is verified by carrying out the Acceptance Tests (hereinafter the “**Acceptance Tests**”) that shall include at least:
- Calibrate spectrometer using the Argon/Mercury calibration lamp,
 - Make a z-scan of a thin oxide film on an oxide substrate with low frequency Raman modes [*test z-scan and low frequency abilities*],
 - Make SHG map of domains of a sample provided by the Buyer [*test SHG and XY mapping of the sample*],
 - Measure angular dependent polarization of sample provided by the Buyer [*test motorized polarization measurements*],
 - Measure Raman spectroscopy of sample provided by the Buyer using side-illumination geometry and inverted confocal microscopy extension [*test side-illumination and inverted geometries*],
 - Measure confocal Raman imaging guided by surface topography [test topographic Raman imaging],*
 - Measure Raman spectrum of sample provided by the Buyer at 4K and 500K [*Verify the resolution of the spectrometer at 4K, test low temperature stage*].
- 3.2.4 Delivery of detailed instructions and manuals for the Equipment operation and maintenance in English or Czech, service documentation, list of spare parts (including current prices), electrical connection schemes and CE certification documents of the Equipment (if applicable) in Czech or English, in electronic form (MS Office or PDF format);
- 3.2.5 Training of operators at the place of performance, at least 4 hours of training of 3 operators;
- 3.2.6 Free-of-charge warranty Equipment service during the warranty period;
- 3.2.7 Free-of-charge provision of technical support in the form of consultations (at least telephone and email support in Czech or English on working days), e.g. regarding fine tuning of the Equipment. The Seller shall provide the Buyer with this support during the warranty period.
- 3.3 The Seller shall be liable for the Equipment and related services to be in full compliance with this Contract, its Annexes and all valid legal regulation, technical and quality standards and shall also be liable that the Buyer will be able to use the Equipment for the defined purpose. In case of any conflict between applicable standards, it is understood that the stricter standard or its part shall always apply.
- 3.4 The Equipment and all its parts and accessories must be brand new and unused.

4. PERFORMANCE PERIOD

- 4.1 The Seller undertakes to deliver and hand over the Equipment to the Buyer within **6 months** of the conclusion of the Contract.





- 4.2 The Seller is obliged to notify the Buyer of the date of delivery and installation of the Equipment at least 10 working days in advance. This term is subject to the consent of the Buyer.
- 4.3 In the event that, due to obstacles on the part of the Buyer, it is not possible to deliver and hand over the Equipment on the agreed date or within the period according to Section 4.1, the Seller is not entitled to claim payment of any additional costs against the Buyer.

5. **PURCHASE PRICE. INVOICING. PAYMENTS**

- 5.1 The purchase price is based on the Seller's submitted bid and amounts to **354 367,92 EUR** (in words: three hundred and fifty-four thousand three hundred and sixty-seven euros ninety-two cents) excluding VAT for the Equipment (hereinafter the "**Price**").
- 5.2 VAT shall be settled in accordance with the valid Czech regulation.
- 5.3 The Price includes any and all performance provided by the Seller in connection with meeting the Buyer's requirements for the proper and complete delivery of the Equipment hereunder, as well as all costs that the Seller may incur in connection with the delivery, installation and testing of the Equipment upon handover.
- 5.4 The Parties agreed that the Price shall be invoiced after the handover protocol in accordance with Section 10.4 (hereinafter the "**Handover Protocol**") will have been signed; in the case the Equipment will be handed over with defects, this part of the Price shall be invoiced after removal of these defects.
- 5.5 The invoice issued by the Seller must contain all information required by the applicable laws of the Czech Republic and, in addition, they must
- 5.5.1 contain registration number of this Contract, which the Buyer shall communicate to the Seller based on Seller's request before the issuance of the first invoice,
 - 5.5.2 state that the Equipment is supplied for the purposes of the project "**Ferroic Multifunctionalities**" with the registration number **CZ.02.01.01/00/22_008/0004591**,
 - 5.5.3 comply with the double taxation agreements, if applicable.
- 5.6 The Buyer prefers electronic invoicing, with the invoices being delivered to efactory@fzu.cz.
- 5.7 Invoices shall be payable within thirty (30) days of the date of their delivery to the above address. Payment of the invoiced amount means the date of its remittance to the Seller's account.
- 5.8 If an invoice is not issued in conformity with the payment terms stipulated by the Contract or if it does not comply with the requirements stipulated by law, the Buyer shall be entitled to return the invoice to the Seller as incomplete, or incorrectly issued, for correction or issue of a new invoice, as appropriate, within five (5) business days of the date of its delivery to the Buyer. In such a case, the Buyer shall not be in delay with the payment of the Price or part thereof and the Seller shall issue a corrected invoice with a new and identical maturity period commencing on the date of delivery of the corrected or newly issued invoice to the Buyer.





5.9 The Buyer shall be entitled to unilaterally set off any of their payments against any receivables claimed by the Seller due to:

5.9.1 damages caused by the Seller,

5.9.2 contractual penalties.

5.10 The Seller shall not be entitled to set off any of his receivables against any part of the Buyer's receivable hereunder.

6. OWNERSHIP TITLE

The ownership right to the Equipment and at the same time the associated risk of damage shall pass to the Buyer upon proper handover and acceptance of the Equipment according to Section 10.3, i.e. by drawing up the Handover Protocol and its signature by an authorized representative of the Buyer.

7. PLACE OF PERFORMANCE

The place of performance, i.e. the place of delivery, installation and handover of the Equipment, shall be the room No. 0.15 in the SOLID21 building of Fyzikální ústav AV ČR, v.v.i., Pod Vodárenskou věží 2531/3, 182 00 Praha 8, Czech Republic.

8. NOTIFICATION OF DELIVERY

The Seller shall notify the Buyer in writing of the exact date of delivery, installation and handover of the Equipment in advance and in the manner according to Section 4.2, ensuring that the deadline for the performance hereunder is maintained.

9. INTERACTION OF THE PARTIES

9.1 The Seller undertakes to notify the Buyer of any obstacles on his part, which may negatively influence proper and timely delivery and/or handover of the Equipment.

9.2 The Seller undertakes to provide the Buyer with cooperation in the event of inspections by authorized entities in connection with the Projects.

10. DELIVERY, INSTALLATION, HANDOVER AND FINAL ACCEPTANCE

10.1 The Seller shall transport the Equipment at his own cost to the place of performance. If the shipment is intact, the Buyer shall issue delivery note for the Seller.

10.2 The Seller shall perform and document the installation of the Equipment and launch experimental tests in order to verify whether the Equipment is functional and meets the technical requirements of Annexes No. 1 and 2 hereof.

10.3 The handover procedure shall be completed by handover of the Equipment confirmed by the Handover Protocol containing specifications of all performed tests. Handover Protocol shall contain the following mandatory information:

10.3.1 Identification of the Seller, the Buyer and any subcontractors;



- 10.3.2 Description of the Equipment including description of all components and their serial / production numbers;
 - 10.3.3 Description of the Acceptance Tests according to the relevant part of Section 3.2.3 of the Contract and their results;
 - 10.3.4 List of technical documentation according to Section 3.2.4 of the Contract;
 - 10.3.5 Confirmation of the training according to Section 3.2.5 of the Contract, including a list of participants and information on its extent;
 - 10.3.6 Buyer`s possible objections to minor defects of the Equipment including the manner of and deadline for their removal and
 - 10.3.7 Signatures of authorized representatives of the Buyer and the Seller, with the date indicated.
- 10.4 Handover of the Equipment does not relieve the Seller from liability for damage caused by its defects.
- 10.5 The Buyer shall not be obliged to accept the Equipment or any part thereof which is defective (even if such defects - on their own or in connection with other defects – do not constitute an obstacle to the use of the Equipment). In such a case, the Buyer shall issue a report containing the reason for his refusal to accept the Equipment or its part. If the Equipment or its part upon handover does not meet the parameters defined in Annexes No. 1 and 2 to this Contract, such non-compliance is considered a defect of the Equipment.
- 10.6 Should the Buyer not exercise his right not to accept the Equipment or its part with a defect, the Seller and the Buyer shall list all defects detected in the Handover Protocol, including the manner of and deadline for their removal. Should the Parties not be able to agree in the Handover Protocol on the deadline for removal of the defects, it shall be understood that all above shall be removed / rectified within 10 days of handover.

11. REPRESENTATIVES, NOTICES

- 11.1 The Seller authorized the following representatives to communicate with the Buyer in all matters relating to the Equipment delivery, installation and handover:

████████████████████
e-mail: ████████████████████
tel. +420 ████████████████████

- 11.2 The Buyer authorized the following representatives to communicate with the Seller in all matters relating to the Equipment delivery, installation and handover:

████████████████████
e-mail: ████████████████████
tel.: +420 ████████████████████

- 11.3 The representatives according to Sections 11.1 and 11.2 can be changed by a unilateral written declaration of the Buyer / Seller delivered to the Seller / Buyer.



11.4 All notifications to be made between the Parties hereunder must be made out in writing and delivered by hand (with confirmed receipt) or by post (to the address of the Seller's or Buyer's registered offices), or in the form of electronic delivery incorporating electronic signature (qualified certificate) to epodatelna@fzu.cz in the case of Buyer and to [REDACTED] in the case of the Seller.

11.5 In all technical and expert matters (discussions on the Equipment testing, notification of the need to provide warranty or post-warranty service, technical assistance etc.), electronic communication between technical representatives of the Parties will be acceptable using e-mail addresses specified in Sections 11.1 and 11.2.

12. TERMINATION

12.1 This Contract may be terminated early by agreement of the Parties or withdrawal from the Contract on the grounds stipulated by law or in the Contract.

12.2 The Buyer is entitled to withdraw from the Contract without any penalty from the Seller in any of the following events:

12.2.1 The Seller is in delay with the delivery of the Equipment longer than 4 weeks after the date pursuant to Section 4.1 hereof.

12.2.2 The Seller is more than 2 weeks in delay with the removal of Equipment defects listed in the list of detected defects of the Handover Protocol according to Section 10.6.

12.2.3 The technical parameters or other conditions set out in the technical specifications defined in Annexes No. 1 and 2 to this Contract and in the relevant applicable technical standards will not be met by the Equipment at handover.

12.2.4 Facts emerge bearing evidence that the Seller will not be able to deliver or handover the Equipment,

12.2.5 The Seller was legally found guilty of committing a misdemeanour or other serious illegal act within the framework of labour law regulations and regulations related to employment and health and safety at work as part of the proceedings initiated by a public authority,

12.2.6 The Seller was legally found guilty of committing a misdemeanour or other serious illegal act within the framework of environmental law as part of the proceedings initiated by a public authority.

12.3 In all cases according to Section 12.2, the Buyer may also withdraw from the Contract only to the extent of the part relating to the mentioned breach of the Contract.

12.4 The Seller is entitled to withdraw from the Contract in the event of the Buyer is in default with the payment for more than 1 month except of the cases if the Buyer refused an invoice due to defect on the Equipment or its part or due to the breach of the Contract by the Seller.

12.5 Withdrawal from the Contract shall be effective on the date the notice of withdrawal is delivered to the Seller / Buyer. In the event of withdrawal, the performances received under this Contract (or its part in the case of withdrawal according to Section 12.3) prior to withdrawal shall be duly returned.



12.6 In the event of early termination of the Contract, the Seller shall ensure the removal of the Equipment or its part from the place(s) of performance within 30 days from the date on which withdrawal from the Contract became effective. The removal of the Equipment must be preceded by the return of any already paid part of the Price to the Buyer's account. The Buyer will provide the Seller with the necessary cooperation similar to the cooperation during the installation of the Equipment. The cost of removal shall be paid by the Party which caused the early termination of the Contract by breaching it. If the Seller does not ensure the removal of the Equipment or its part from the place of performance within the period according to the first sentence, the Buyer is entitled to sell the Equipment to a third party and use the funds to satisfy his claims against the Seller. The Buyer shall then transfer the remaining funds (if any) to the Seller's account specified in the header of this Contract. The Buyer shall then transfer the remaining funds (if any) to the Seller's account specified in the header of this Contract.

13. **INSURANCE**

13.1 The Seller undertakes to insure the Equipment against all risks, in the amount of the Price for the entire period from the commencement of the transportation of the Equipment until duly handed over to the Buyer. In the event of a breach of this obligation, the Seller shall be liable to the Buyer for damages incurred in connection therewith.

13.2 The Seller is liable for the damage that he has caused. The Seller is also liable for damage caused by third parties which have undertaken to carry out performance or part thereof under this Contract.

14. **WARRANTY TERMS**

14.1 The Seller shall provide warranty for the quality of the Equipment for a period of **12 months**.

14.2 The warranty period shall commence on the day following the date of signing of the Handover Protocol pursuant to Section 10.3 hereof or, in the event that the Equipment has been handed over with minor defects, on the day following the date of removal of all such defects.

14.3 The warranty does not cover consumable parts. Consumable parts for the purposes of the Contract are the items contained in the Equipment which are consumed at regular intervals during the normal use of the Equipment, i.e. parts which have a specified typical lifetime, that does not exceed the warranty period provided the Equipment is used with normal frequency.

14.4 The Seller undertakes to provide free Equipment service through authorized technicians and free regular service inspection at the place of performance to the extent specified by the Equipment manufacturer and by the Contract for the entire warranty period according to this Contract, including repairs, delivery of spare parts, transport and work of an authorized service technician.

14.5 Should the Buyer discover a defect, he shall notify the Seller to remove such defect using the e-mail address: uniexport@uniexport.co.cz. The Seller is obliged to notify the Buyer without delay about any change of this e-mail address. The Seller shall be obliged to review any warranty claim within 72 hours (within business days) from its receipt.

14.6 During the warranty period, the Seller shall be obliged to remove any claimed defects within 30 business days from receipt of the warranty claim / within 20 days from receipt of the warranty claim in cases where the claimed defect does not require the intervention of an authorised technician. In case of unusual defects when a special component is needed, the Seller shall be



obliged to remove the defect within a period corresponding to the nature of the defect and to set a deadline for handing over the repaired Equipment.

- 14.7 During the warranty period, any and all costs associated with defect removal / repair including transport and travel expenses of the Seller shall be always borne by the Seller.
- 14.8 The repaired part of the Equipment shall be handed over by the Seller to the Buyer on the basis of a protocol confirming the removal of the defect (hereinafter the “**Repair Protocol**”). If the part of the Equipment is duly repaired and defect-free, the Buyer will confirm the Repair Protocol.
- 14.9 The repaired part (component) shall be subject to a new warranty term in accordance with Section 14.1 which commences to run on the day following the date when the Repair Protocol was executed.
- 14.10 After the warranty expires, the Seller shall provide paid post-warranty [out-of-warranty] service at least for a period of 8 years after the expiration of the warranty; the service terms shall be identical to those of Sections 14.5 and 14.6. The Seller also guarantees the availability of spare parts and Equipment maintenance kits throughout this period.
- 14.11 If Equipment has defects, due to which it cannot be demonstrably used in full for more than 60 days (period of defects) during six or less consecutive months of the warranty period, the Seller is obliged to deliver new part of Equipment without defects within 180 days after being requested to do so in writing, unless the Parties agree otherwise.

15. CONTRACTUAL PENALTIES

- 15.1 The Buyer shall be entitled to a contractual penalty in the amount of 0,1 % of the Price for each commenced day of delay with the performance pursuant to the relevant part of Section 4.1 hereof.
- 15.2 The Buyer shall be entitled to a contractual penalty in the amount of 0.05 % of the Price for each commenced day of delay with the performance pursuant to Section 14.5 hereof and with the removal of defects claimed within the warranty period pursuant to Section 14.6 and 14.11 hereof.
- 15.3 In the event of default in payment of any due receivables (monetary debt) under the Contract, the defaulting Party (the debtor) shall be obliged to pay a contractual penalty of 0.05 % of the amount due for each commenced day of delay in payment.
- 15.4 The total amount of contractual penalties for the Seller shall not exceed 30% of the Price and the same shall apply to the Buyer.
- 15.5 Contractual penalties are payable within 30 days of receipt of the demand for payment.
- 15.6 Payment of the contractual penalty shall be without prejudice to the rights of the Parties to claim compensation for damages incurred.
- 15.7 Payment of any contractual penalty cannot be demanded if the breach of the contractual obligation is caused by force majeure.

16. DISPUTES





16.1 Any and all disputes arising from or relating to this Contract shall be settled by the Parties by mutual negotiations. In the event that any dispute cannot be resolved by negotiations within sixty (60) days, the dispute shall be resolved by a competent court in the Czech Republic upon a legal action brought by either Party; the competent court shall be determined by the location of the registered office of the Buyer. Disputes shall be settled exclusively under the law of the Czech Republic.

17. **FINAL PROVISIONS**

17.1 This Contract constitutes the entire agreement between the Parties. The relations between the Parties not regulated by this Contract shall be governed by Czech law, in particular by the Act No. 89/2012 Coll., the Civil Code, as amended (hereinafter the “**Civil Code**”).

17.2 This Contract may be amended or supplemented solely by written amendments. The Parties expressly refuse to amend the Contract in any other way.

17.3 The Parties expressly agree that the Contract as a whole, including all attachments, will be published in accordance with Act No. 340/2015 Coll. on special conditions for the effectiveness of some contracts, publication of these contracts and Contract Register, as amended. The Parties hereby declare that all information contained in the Contract and its Annexes is not considered trade secrets under § 504 of the Civil Code and grant permission for their disclosure without setting any additional conditions. This Contract becomes effective as of the day of its publication in the Contract Register, which shall be provided by the Buyer.

17.4 The following Annexes form an integral part of the Contract:

Annex No. 1: Technical specification on the subject of performance

Annex No. 2: Technical description of the Equipment as presented in Seller’s bid

17.5 The Parties, manifesting their consent with the entire contents of this Contract, attach their signature hereunder.

In Prague
For the Buyer

In Prague
For the Seller

23.7.2025 elektronický podpis

17.7.2025 elektronický podpis

RNDr. Michael Prouza, Ph.D.
Director

Ing. Marek Černík
jednatel





Annex No. 1 - Technical specification on the subject of performance

Tab. 1 - The Equipment must meet the technical conditions and include components listed in this table.

No.	Description and minimum specification of the Equipment as defined by the Buyer	Description and specification of the Equipment offered by the Seller	Complies YES/NO
1	Microscope		
1.1	Confocal microscope for Raman and second-harmonic generation spectroscopy with a lateral (x, y) resolution of approximately 300 nm and a depth (z) resolution below 1 µm for illumination with a 532 nm laser in the reflection geometry .		yes
1.2	Ability to perform spectroscopic measurements and optical imaging using inverted confocal microscopy extension (including transmission beam path).		yes
1.3	Ability to perform spectroscopic measurements in side-illumination geometry (collection of the scattered light with the optical microscope).		yes
1.4	Motorized XY-sample stage, software controlled, at least 50 mm travel range in both x- and y-direction, step size better than 30 nm in both the x- and y-direction.		yes
1.5	Motorized Z-stage, software controlled, travel range at least 25 mm, step size better than 15 nm,		yes
1.6	Ability to perform topographic one-path Raman imaging within the scan range of the stage		yes
1.7	White light source and camera for sample visualization in both the reflection and transmission configuration.		yes
1.8	Manual rotatable (at least 0 – 90°) polariser placed after the white light source and manual rotatable (at least 0 – 90°) analyser placed before camera to perform polarized white-light microscopy		yes
1.9	Rigid table to mount the confocal microscope for Raman spectroscopy and second-harmonic generation		yes
2	Lasers + Raman filters		
2.1	532 nm laser with at least 50 mW laser output power		yes
2.2	Computer-controlled power attenuator for the 532 nm laser (at least to be able to set	continuous control	yes



	100%, 50%, 25%, 10%, 5%, 1%, 0.5%, 0.1% of the laser power)		
2.3	532 nm Laser-Line Bandpass Filter		yes
2.4	532 nm Long pass Raman filter allowing to measure Raman spectra down to 90 cm ⁻¹		yes
2.5	Bragg filters set allowing to measure Stokes and anti-Stokes Raman spectra down to at least 10 cm ⁻¹ for 532 nm laser set up.		yes
2.6	Second exit for 532 nm Laser including mechanical selection of the exit		yes
2.7	Computer controlled motorised rotator with $\lambda/2$ waveplate for rotation of 532 nm laser polarization, range at least -90 – +90° with the step at least 0.5°		yes
2.8	1064 nm excitation picosecond pulsed laser with pulse width <20 ps, repetition rate 50 MHz and average output power at least 200 mW		yes
2.9	Computer-controlled power attenuator for the 1064 nm laser (at least to be able to set 100%, 50%, 25%, 10%, 5%, 1%, 0.5%, 0.1% of the laser power)	continuous control	yes
2.1 0	1064 nm Laser-Line Bandpass Filter		yes
2.1 1	Short pass filter to remove the 1064 nm laser line from the spectrum		yes
2.1 2	Computer controlled motorised rotator with $\lambda/2$ waveplate for rotation of 1064 nm laser polarization, range at least -90 – +90° with the step at least 0.5°		yes
2.1 3	Possibility to mount a neutral density (ND) filter with optical density (OD) 2 for both the 532 and 1064 nm laser.		yes
3	Spectrometer		
3.1	Spectrometer with focal length of at least 500 mm	600mm	yes
3.2	3 gratings mounted on a computer controlled grating turret		yes
3.3	Grating 1: 300 lines/mm, blazed at 500 nm		yes
3.4	Grating 2: 1800 lines/mm, blazed at 500 nm		yes
3.5	Grating 3: 2400 lines/mm, blazed at 500 nm		yes
3.6	Scattered light should be depolarized (for example, by using scrambler or depolarizer) or the change in polarisation of scattered light should be compensated (by using synchronised rotation of		yes





	analyser and $\lambda/2$ waveplate) before the grating to eliminate the effect of light polarization on the grating and detector by at least 80%		
3.7	Ultra-sensitive electron multiplying charge-coupled device camera (EMCCD). Software controlled electron multiplying gain (1-1000x), Peltier cooled, quantum efficiency larger than 90% for 500-700 nm energy window.		yes
3.8	Computer controlled motorised rotator with Glan-Thomson polarizer for polarization analysis, range of rotation at least $0^\circ - 180^\circ$ with the step at least 0.5° .		yes
3.9	Automatized spectral calibration of the spectrometer with an embedded calibration lamp.		yes
4	Objectives		
4.1	2.5x objective, working distance at least 10 mm, suitable for polarization applications	Zeiss EC "Epiplan-Neofluar" 2.5x NA=0.06; WD=15.1 mm	yes
4.2	10x plan achromat objective, working distance at least 10 mm, numerical aperture at least 0.2	Objective 10x for bright-, dark-field, EC"Epiplan" NA 0.25, working distance (WD) 11.0 mm	yes
4.3	50x plan achromat objective, working distance at least 1 mm, numerical aperture at least 0.7	Objective 50x, Zeiss EC "Epiplan" DIC, numerical aperture (NA) 0.75, working distance (WD) 1.0 mm	yes
4.4	100x plan achromat objective, working distance at least 1 mm, numerical aperture at least 0.9	Objective 100x, Zeiss EC "Epiplan-Neofluar" DIC, numerical aperture (NA) 0.9, working distance (WD) 1.00mm	yes
4.5	20x plan achromat objective, working distance at least 11 mm, numerical aperture at least 0.2	Objective 20x, Zeiss LD "Epiplan-Neofluar", numerical aperture (NA) 0.22, working distance (WD) 12.1 mm	yes
4.6	50x plan achromat objective, working distance at least 9 mm, numerical aperture at least 0.5	Objective 50x, Zeiss LD "Epiplan-Neofluar", numerical aperture (NA) 0.55, working distance (WD) 9.1 mm	yes
5	Cryostat		
5.1	Adapter to mount Linkam temperature stage on the XY-table. The Linkam stage is already owned by the institute and is not part of the tender.		yes
5.2	Optical cryostat for both transmission and reflection measurements, which can be mounted on the XY-table, temperature range 4 – 500 K, temperature stability better than 0.2 K, working distance (outside window – sample holder) of maximum 6 mm, has quartz windows with a diameter of at least 10 mm.	Microstat He2 for temperature control from 3.2K to 500K temperature stability of 0.1K optical access through two windows (working distance 4.5 -5.5 mm depending on the window used)	yes





5.3	Computer controllable temperature controller		yes
5.4	Flexible liquid helium transfer hose, in 90° configuration for horizontal feed cryostat with manual needle valve and oil-free membrane gas pump.		yes
6	Control computer		
6.1	Computer should have at least Windows 11 Pro or an open-source distribution with long term support.	Windows 11 Pro 64bit	yes
6.2	Computer should have at least 32 GB Random-access memory (RAM), at least 500 GB solid-state drive (SSD) disk, 4TB hard disk drive (HDD) and suitable processor.	Intel i9-12900 CPU (may undergo changes due to rapid developments) • 32 GB RAM • 500 GB SSD + 4000 GB HDD	yes
6.3	At least a 27" monitor with at least 2560x1440 pixels	Monitor 27" LCD for Computer System • 2560 x 1440 pixel	yes
6.4	Software to control the microscope, with at least the ability to make optical images of the sample, move the sample stage and acquire spectra, control the motorized rotators, shutters, spectrometer and power of both lasers, perform basic data analysis,		yes
6.5	Possibility to control all the computer controllable options of the Confocal microscope for Raman and second-harmonic generation using external scripting language such as Python, LabVIEW, ...		yes

Acceptance test and required training: [verify the parameters specified in table 1]

- Calibrate spectrometer using the Argon/Mercury calibration lamp,
- Make a z-scan of a thin oxide film on an oxide substrate with low frequency Raman modes [*test z-scan and low frequency abilities*],
- Make SHG map of domains of a sample provided by the Buyer [*test SHG and XY mapping of the sample*],
- Measure angular dependent polarization of sample provided by the Buyer [*test motorized polarization measurements*],
- Measure Raman spectroscopy of sample provided by the Buyer using side-illumination geometry and inverted confocal microscopy extension [*test side-illumination and inverted geometry*],
- Measure confocal Raman imaging guided by surface topography [*test topographic Raman imaging*],



- Measure Raman spectrum of sample provided by the Buyer at 4K and 500K. [*Verify the resolution of the spectrometer at 4K, test low temperature stage.*]





Annex No. 2

The Seller's bid in the extent it describes technical parameters of the Equipment





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 IČ 48582972, DIČ CZ48582972, datum zápisu do OR 11.2.1993, OR Městského soudu v Praze, oddíl C, vložka 17542

CENOVÁ NABÍDKA č.: IC/6314/A

Zákazník: Fyzikální ústav AV ČR, v. v. i.
 Na Slovance 2
 182 21 PRAHA 8
 Česká republika

Naše značka: IC/6314

Datum: 12.02.2025

Kontaktní osoba: ██████████

pol.	obj.č.	popis	ks	jednotková cena	cena celkem
1	XMB3000-3001	Microscope Base WITec alpha300R Confocal Raman Microscope for up to three Excitation Lasers Compact and flexible Raman platform for up to 3 excitation lasers, optimized for high-end spectroscopy applications and confocal Raman imaging. Extendable to state-of-the-art scanning probe (SPM) and scanning near-field optical microscopy (SNOM) experiments including:	1	██████ EUR	██████ EUR
1.1	XCK3001-0404	Confocal Raman microscope base for the WITec alpha300 series, including: <ul style="list-style-type: none"> • Optical microscope with 6x turret • LED white-light source for Köhler illumination • extensible Reflector module changer accepting filter cubes for darkfield, DIC or fluorescence contrast • Motorized z-stage system for automated approach, 30mm travel, single step 10 nm resolution • Implemented autofocus for local and global corrections on tilted or spherical surfaces • Camera coupler for sample visualization incl. digital video camera 	1		
1.2	XXM3022-3100	WITec Multiwavelength laser coupler for up to three excitation sources allows comfortable switching between all excitation wavelengths (UV to NIR) including automatic alignment of all necessary optical components without any manual intervention in the optical beampath. Excitation sources are connected to the microscope via FC/APC single-mode optical fibers to guarantee diffraction limited point-illumination for highest possible resolution. Will accept WITec RayLine and can be upgraded to allow RayShield technology. Includes: · Housing and mechanical parts · Filterpositions unloaded (specifications of the filters can be found elsewhere in this document) Extendable for polarization dependent measurements.	1		
1.3	XME3050-2200	Integrated Computer System for control and data acquisition of WITec microscopes <ul style="list-style-type: none"> • 19" integrated rack mount control hardware • Intel i5-12400 CPU (may undergo changes due to rapid developments) • 16 GB RAM • 500 GB SSD + 1000 GB HDD • keyboard and mouse • Operation System: Windows 11 Pro 64bit 	1		
1.4	XME3051-0270	Monitor 27" LCD for Computer System <ul style="list-style-type: none"> • 2560 x 1440 pixel • height adjustable 	1		

1.5	MSX3201-7010	<p>WITec Control Seven , software license Instrument and experiment control software package with multi purpose WITec EasyLink Human Interface Device. Functionality (dependent on configuration):</p> <ul style="list-style-type: none"> · EasyLink Advanced Video Control: Video Autofocus, Auto-Brightness, stepless LED Brightness slider controls · EasyLink Movement and Focus Control: Move around the sample precisely using independent analogue control sticks · All measurement modes accessible in one comprehensive software package · Measurements with all installed techniques (e.g. AFM, Raman) can be applied, controlled simultaneously and are easily correlated · All essential parameters are automatically set when changing between measurement modes · TrueScan™ for exact piezo positioning control even at the fastest scan rates (requires Piezo-Scanner) · Capability of measuring very large data sets, for e.g. image stacks · Automated multispot measurement sequences with the ability to execute complex scripts at every point · Multi-user management including user customizable software configurations for individual measurement pre-configurations · Standard SPM features for AFM and SNOM <ul style="list-style-type: none"> · High speed, automatic tip approach in all AFM modes · Software guided step-by-step cantilever installation and adjustment · Oscilloscope mode for the observation of signals as a function of time 	1		
1.6	MSX3201-7000	<p>WITec Project Seven , software license License includes unlimited use on multiple workstations Functionality (dependent on configuration):</p> <p>Data evaluation and processing</p> <ul style="list-style-type: none"> · Data Trace - Each object has meta infos and relations can be traced · TrueComponent Analysis: Simple and intuitive dialoge for component based analysis of Raman measurements by representation through basis spectra · Wizard based guided data treatment procedures · Various pre-configured filters and algorithms for simplified data processing · Filters and algorithms accessible through simple drag and drop via the adaptive drop-action dialoge · Filter viewer: Fast and unlimited image preview generation of any filters (Peak intensity, width, position etc.) applied to a data set, also applicable during running measurement · Multiple algorithms for background subtraction & curve fitting (for single spectra) · Various statistical data evaluation options (Histrograms, Roughness etc.) · Data export to ASCII, JCamp-DX, SPC, and MatLab feasible <p>Data representation</p> <p>RamanTV: high speed movie-like image presentation of spectral dataset, also functional as preview option simultaneously with data acquisition</p> <ul style="list-style-type: none"> · Fast determination of position, time and/or spectral correlation between various data objects · 2D and 3D color coded representation of any image data set (AFM, Raman, SNOM, etc.) in selectable color schemes · Image viewer: 3D overlay of images e.g. AFM topography image with Raman chemical information · Spectrum peak finder and labeling · Easy Copy&Paste result export into external Programs for data presentation · Spectra export to Raman database for convenient identification of sample components 	1		
1.7	XSA3300-0010	<p>EasyLink Controller for WITec microscopes for easy & intuitive navigation along the surface and control of the WITec microscope.</p> <ul style="list-style-type: none"> • two analog control sticks • two analog triggers • 11 buttons • USB connection 	1		

1.8	XMZ5000-1000	<p>alphaControl digital controller for WITec microscope systems</p> <ul style="list-style-type: none"> • combined control of a large variety of measurement modes in one system, e.g. AFM, SNOM, Confocal Raman Imaging Microscopy • Highly flexible system on a programmable chip design by using FPGAs • Extendable modular system design allowing tailor-made configurations and customer specific upgrades • Extremely performant serial and parallel digital data processing in real time • Computation and reaction times in the nanosecond range • SuperSpeed™ USB 3.0 connection (5000 MBits/s) • Digitally controlled high resolution closed loop XYZ piezo scan stage (optional) • Motorized XY large area probe scanning and positioning table (optional) and Z-axis control • Digital inputs and outputs for user defined applications • 32-bit counters with integrated APD/PMT overload protection <p>abundant number of low noise/high speed 16-bit analog/digital and digital/analog converters</p>	1		
1.9	XSA3101-1146	Rigid support frame for WITec microscopes, 800 mm height, 800 x 800 mm footprint.	1		
2	XZF3100-0532	<p>WITec RayLine Raman filter set for 532 nm excitation including:</p> <ul style="list-style-type: none"> • Long Pass Raman Filter • Laser Line Filter <p>Allows for measurements at approx. 90 rel. cm⁻¹</p>	1	■■■■■ EUR	■■■■■ EUR
<p style="text-align: center;">Positioning Device & Scanner</p>					
3	XSP3000-0040	<p>Motorised x-y-sample scanning stage, for WITec Microscopes</p> <p>Fully integrated within WITec Control interface. With following features:</p> <ul style="list-style-type: none"> • 25 x 25 mm² travel range for SNOM and inverted microscopy • Default step size: 25 nm (can be adjusted upon customers request) • reproducibility better than <0.01% • software controlled 	1	■■■■■ EUR	■■■■■ EUR
<p style="text-align: center;">Excitation Sources</p>					
4	XLX3001-0532	532 nm excitation laser module including 532 nm laser, Raman filter set and laser power control functionality for automated WITec microscopes	1	■■■■■ EUR	■■■■■ EUR
4.1	XLP3000-0040	<p>Laserport (VIS) for WITec Multiwavelength Coupler</p> <p>Adds a Laserport to the Multiwavelength Coupler to connect WITec Lasermodules. Will accept WITec RayLine technology and includes mounting, alignment and test.</p>	1		
4.2	XSL3100-1154	DPSS laser, 532 nm, 75 mW power at laser output, single longitudinal mode, intra cavity frequency doubling, including optical isolator and fiber coupling unit, 3 m PM fiber with angled FC connector directly connected to WITec microscope systems, laser class 3B.	1		
4.3	XZF3100-0532	<p>WITec RayLine Raman filter set for 532 nm excitation including:</p> <ul style="list-style-type: none"> • Long Pass Raman Filter • Laser Line Filter <p>Allows for measurements at approx. 90 rel. cm⁻¹</p>	1		
4.4	XCL1000-0532	<p>Software controlled continuous laser power attenuator (TruePower) for 532 nm Laser</p> <p>for mounting on the laserhead. Allows software controlled setting of absolute power values with 0.1 mW precision.</p>	1		
5	XZF3501-0532	<p>Upgrade to WITec RayShield Ultra Low Frequency Raman Filter Set for 532 nm excitation including:</p> <ul style="list-style-type: none"> · highly precise laser filter · laser Cleanup filter <p>Allows for Stokes- and Anti-Stokes Raman measurements starting at approx. +/- 10 rel. cm⁻¹</p> <p>requires RayLine filter XZF3100-0532</p>	1	■■■■■ EUR	■■■■■ EUR
6	XZF3500-0000	Upgrade for WITec Multiwavelength Couplers to WITec RayShield capabilities	1	■■■■■ EUR	■■■■■ EUR
7	XMZ4000-1005	<p>Additional automation capabilities for alphaControl</p> <p>includes:</p> <ul style="list-style-type: none"> • Laserpower control (TruePower) for up to 4 lasers • shutter controls • interconnections 	1	■■■■■ EUR	■■■■■ EUR
<p style="text-align: center;">Detectors & Spectrometers</p>					

8	XDS3000-0015	WITec advanced primary high-resolution spectroscopy package in <i>High-Throughput</i> configuration for the VIS spectral range	1	██████ EUR	██████ EUR
8.1	XMX3021-0001	Output coupler for WITec microscopes with exit port for spectrometer connection incl. optical fiber. Equipped with an optical fiber exit and FC/APC connector. Acts as confocal detection unit for the coupling of the collected Raman, fluorescence or reflection signal into an optical fiber	1		
8.2	XMC3400-0600	Ultra-High-Throughput-Spectrometer UHTS600 for VIS 600 mm focal length lens-based imaging spectrometer with FC/APC optical fiber entrance and motorized triple grating turret including 2 gratings (300 and 1800 lines/mm blazed for 500 nm). Optimized for best sensitivity between 450nm to 750nm to allow fast imaging operation and highest spectral precision. Additional gratings available upon request	1		
8.3	XMC3022-1200	Ultra-sensitive EMCCD spectroscopy camera optimized for low light level and ultra fast confocal Raman imaging applications. Back-illuminated (BI) EMCCD chip with 1600x200 pixel format, VIS optimized AR coating, QE > 90% (500-700nm) , pixel size 16 x 16 µm, electron multiplying (EM) technology for best sensitivity and performance, thermoelectric (Peltier) cooling to approx. -65°C at 20°C room temperature (below -90°C with optional water cooling), low noise 16 Bit A/D converter, readout speed for up to 1300 spectra per second in combination with UHTS spectrometer, software controlled EM gain (1-1000x), USB 2.0 interface, attached and fully adjusted to spectrograph.	1		
9	XSG3000-2400	Spectroscopic grating with 2400 lines/mm for WITec spectrometers Optimized for application in the Near-ultraviolet & VIS (NUV - VIS) spectral range	1	██████ EUR	██████ EUR
10	XMC3000-0100	WITec Equilight - Spectrometer bound Depolarizer for 350nm - 900 nm Minimizes the effects of polarization dependent reflectivity of gratings used by >80% available for UHTS-300 VIS, UHTS-400 NIR, UHTS300 VIS-NIR and UHTS-400 UV requires Analyzer option	1	██████ EUR	██████ EUR
		Microscopy Objectives			
11	XSO3025-0105	Objective 10x for bright-, dark-field, EC"Epiplan" NA 0.25, working distance (WD) 11.0 mm, no cover glass correction, including adapter ring for WITec microscope systems.	1	██████ EUR	██████ EUR
12	XSO3025-0500	Objective 50x, Zeiss EC "Epiplan" DIC , numerical aperture (NA) 0.75, working distance (WD) 1.0 mm, including an adapter ring for WITec microscope systems	1	██████ EUR	██████ EUR
13	XSO3026-1000	Objective 100x, Zeiss EC "Epiplan-Neofluar" DIC , numerical aperture (NA) 0.9, working distance (WD) 1.00mm, excellent flatness of field for applications from 360 nm to NIR, including an adapter ring for WITec microscope systems	1	██████ EUR	██████ EUR
14	XSO3026-0203	Objective 20x, Zeiss LD "Epiplan-Neofluar" , numerical aperture (NA) 0.22, working distance (WD) 12.1 mm, excellent flatness of field for applications from 360 nm to NIR, including an adapter ring for WITec microscope systems	1	██████ EUR	██████ EUR
15	XSO3026-0020	Objective Zeiss EC "Epiplan-Neofluar" 2.5x NA=0.06; WD=15.1 mm , for applications from 360nm to NIR with excellent flatness of field, including adapter ring for WITec microscope systems	1	██████ EUR	██████ EUR
16	XSO3026-0503	Objective 50x, Zeiss LD "Epiplan-Neofluar" , numerical aperture (NA) 0.55, working distance (WD) 9.1 mm, excellent flatness of field for applications from 360 nm to NIR, including an adapter ring for WITec microscope systems	1	██████ EUR	██████ EUR
		Add-ons & Accessories			
17	XSA3200-1000	WITec integrated Calibration lamp incl. coupling unit Allows injection of a calibration light source signal (typ. Ar/Hg) into the beam path of the microscope and enables automatic spectrometer calibration routines to be used. Includes calibration source	1	██████ EUR	██████ EUR

18	MSX3000-8050	<p>Programming interface for system remote control Allows the control of the functions of WITec Control by external software (i.e. LabView) Python script examples available</p>	1	██████ EUR	██████ EUR
19	XME3050-2211	<p>Upgrade to High-Performance PC system for control and data acquisition for the WITec microscopes. Optimized for acquisition and processing of especially large datasets</p> <ul style="list-style-type: none"> • Intel i9-12900 CPU (may undergo changes due to rapid developments) • 32 GB RAM • 500 GB SSD + 4000 GB HDD • keyboard and mouse • Operation System: Windows 11 Pro 64bit 	1	██████ EUR	██████ EUR
20	XZT3000-0010	<p>Universal Mounting Adapter for Linkam-Stages on alpha300 or apryon builds</p>	1	██████ EUR	██████ EUR
21	XCX3200-1205	<p>Whitelight polarization contrast in reflection. Rotatable polarization filter, 90° range to be mounted directly in the Microscope's whitelight beampath. Including rotatable analyser.in front of the video camera. Additionally required are polarization contrast capable objectives.</p>	1	██████ EUR	██████ EUR
22	OLM090-48623	<p>UV-VIS ND Filter, 2 OD, 12,5 mm Durchmesser</p>	1	██████ EUR	██████ EUR
23	XCX3014-0025	<p>Upgrades TrueSurface™ Mk.3 Extension for WITec alpha300 microscope series with following specifications and modes of operation:</p> <ul style="list-style-type: none"> • Realtime large area topographic imaging within the scan range of the motorized positioning device using the topography sensor • Instant TrueSurface Raman microscopy: One-Pass simultaneous optical profilometry and Raman imaging • 3D chemical characterization on coarsely-textured or inclined samples • No specialized sample preparation necessary • Closed-loop operation eliminates variations during long measurements • Fully integrated in WITec Control-Software • including recommended objective ZEISS EC Epiplan-Neofluar 20x/0.5NA providing 2.1mm working distance <p>Systemrequirements</p> <ul style="list-style-type: none"> • motorized Z-lift 	1	██████ EUR	██████ EUR
24	XXM3024-0010	<p>Modul PRK, polarization kit, motorized rotator for waveplates</p>	1	██████ EUR	██████ EUR
25	XXM3025-0532	<p>I/2 plate for 532 nm for use with the manual polarization rotation kit</p>	1	██████ EUR	██████ EUR
26	XXM3025-1064	<p>I/2 plate for 1064 nm for use with the manual polarization rotation kit</p>	1	██████ EUR	██████ EUR
27	XXM3023-0110	<p>Retractable filter module with rotatable motorized polarisation analyzer. For 350 - 2100 nm wavelength range for WITec Microscopes.</p>	1	██████ EUR	██████ EUR
28	XZF3001-1010	<p>SHG - Upgrade WITec Shortpass filter set for 1064 nm excitation including: - Shortpass- & Cleanup-Filter plus ND-Filter and Lasershutter for the laser incl. standard WS₂ sample</p> <p>Allows for SHG measurements using 1064 nm excitation</p>	1	██████ EUR	██████ EUR
29	XSL3100-1205	<p>Ultrafast Picosecond Laser for SHG generation, 1064 nm, >200 mW average power output, Puls width <10ps, single longitudinal mode, including fiber coupling unit, PM fiber directly connected to WITec microscope systems, laser class 3B.</p>	1	██████ EUR	██████ EUR
30	XLP3000-1000	<p>Primary Laserport for WITec Multiwavelength Couplers Adds a Laserport with collimation possibility to the Multiwavelength Coupler to connect pulsed WITec Lasers. Includes mounting, alignment and test.</p> <p>Can be selected once per multiwavelength coupler.</p> <p>Optional Add-ons & Accessories</p>	1	██████ EUR	██████ EUR

31	XCK3000-1360	<p>BeamFLEX - Inverted Confocal Microscopy Extension incl. Transmission Beampath for WITec alpha300 microscopes</p> <p>Allows excitation and detection from below - for installation ex-works including</p> <ul style="list-style-type: none"> · motorized inverted microscope - BeamFLEX · software controlled inverted beampath incl. motorized optics with kinematic mount · inverted LED whitelight illumination · additional video system including camera coupler for sample observation from below · 60x/0.8NA (WD = 0.3mm) microscopy objective with coverglass correction (0.17mm) 	1	██████ EUR	██████ EUR
32	XSA3104-0025	<p>Setup for Laser side illumination for WITec microscopes with AFM/SNOM including:</p> <ul style="list-style-type: none"> · FC/APC single mode optical fiber coupling · collimation and focusing optics · highly accurate positioning and focusing of excitation laser spot by inertial drives 	1	██████ EUR	██████ EUR
33	XSL3300-2532	<p>Second exit with fiber coupler for 532 nm Laser</p> <p>Consisting of:</p> <ul style="list-style-type: none"> • Mounting flange with mechanical selection of exit • Fiber coupler • polarization maintaining fiber, 3 m long, with adjustable FC/APC terminated 	1	██████ EUR	██████ EUR
34	XZT3003-0001	<p>Oxford Instruments Microstat He2 for temperature control from 3.2K to 500K</p> <p>adapted to use with WITec microscopes in connection with manual or motorized sample positioning</p> <p>includes:</p> <ul style="list-style-type: none"> • heating unit with RhFe sensor • temperature stability of 0.1K • time required for cooling from 25°C to minimum: ca. 10 minutes (<1.3L Helium consumption) • Helium consumption to provide temperature stability: <450 cc/h at 4.2K • can use LN₂ as alternative coolant (down to max. 77K) • Microtail contious flow vacuum loading with radiation shielding • optical access through two windows (working distance 4.5 -5.5 mm depending on the window used) • 4x spectrosil quartz-windows • 12.5 mm sample holder • oil free gas flow pump with nominal speed up 70l/min at 1000mbar • MercuryITC temperature controller with up to 80W heating output per channel + LCD Display • low loss technology flexible transfer tube in 90° configuration, horizontal cryostat entry and manual needle valve • O-rings • wiring • 2x10mm Spacer to elevate microscope body for convenient working distance <p>Shipping/Handling/Packing</p>	1	██████ EUR	██████ EUR
35	SPH1000-0000	<p>Packing and handling</p>	1	██████ EUR	██████ EUR
30	XIT3000-0004	<p>Service, Installation & Training</p> <p>This offer includes</p> <ul style="list-style-type: none"> • Installation of the system • On-site training, including travel expenses • Software training • One WITec Academy Voucher (www.witec.de/resources-and-education/academy/), for free registration • One WITec Symposium Voucher (http://www.witec.de/resources-and-education/symposium/) for free registration • free remote online and telephone support by our application scientists <p>Mezisoučet</p>			██████ EUR
31		<p>Akademická sleva 18%.</p> <p>Celkem bez DPH</p>	1		██████ EUR
32		<p>DPH 21 %</p> <p>Celkem včetně DPH</p>	1		██████ EUR

Dodací lhůta: Maximálně 6 měsíců od podepsání smlouvy.

Záruční lhůta: 12 měsíců.

Platnost nabídky: 60 dnů.

Platební podmínky: Platba po dodání, splatnost faktury 30 dnů.

Bankovní spojení:

CZK č.ú.:

EUR č.ú.:

Vypracoval: Ing. Marek Černík