

## Annex No. 1

**Buyer** (Contracting Authority) – *Fyzikální ústav AV ČR, v. v. i.*

**Seller** (Supplier, selected bidder) - *Měřicí technika Morava s.r.o.*

### **Buyer's reserved business terms and conditions**

- a)** (i) Delivery of the controller (the "Equipment") to the place of delivery and handover thereof following its installation,  
(ii) delivery of licenses (lifetime licenses for PC controlling the AFM) for all SW features included in the purchase,  
(iii) delivery of instructions and manuals for operation and maintenance in Czech or English in electronic or printed form, if available, and  
(iv) warranty service  
are mandatory parts of the Seller's performance.
- b)** Handover of the Equipment and delivery of all SW licenses no later than 20 weeks from the date of order with the Buyer's right to withdraw from the contract in the event of the Seller being in delay with the delivery for more than 30 days. The Buyer shall have the right to a penalty in the amount of 0.05 % of the total purchase price for each commenced day of delay with delivering the Equipment.
- c)** The purchase price will be invoiced after the acceptance of the Equipment by the Buyer and delivery of all SW licenses.
- d)** The due date for invoices is thirty (30) days from the date of their delivery. All invoices must contain all information required by the applicable laws of the Czech Republic and, in addition, they must state that the Equipment is supplied for the purposes of the project "CzechNanoLab+" with the registration number CZ.02.01.01/00/23\_015/0008200 and comply with the double taxation agreements, if applicable. Invoices shall be sent electronically to [efaktury@fzu.cz](mailto:efaktury@fzu.cz).
- e)** The place of delivery is Fyzikální ústav AV ČR, v. v. i., Cukrovarnická 112/10, 162 00 Praha 6, Czech Republic.
- f)** The Buyer is not obliged to accept Equipment that shows defects.
- g)** The Buyer is entitled to withdraw from the contract without any sanctions on its part, if the delivered Equipment does not meet the technical parameters or conditions according to the required technical specification and/or according to valid technical standards.
- h)** The Seller provides warranty for the quality of the Equipment at least for a period of 12 months.
- i)** During the warranty period, the Seller is obliged to remove claimed defects within a period of 30 days from the date on which the Equipment was delivered to the Seller for repair. In cases of unusual defects, the Seller shall be obliged to rectify the defect in a period corresponding to the nature of the defect and to define the deadline for shipping of the rectified Equipment. Any and all costs associated with the transport of the Equipment for repair to the Seller's premises shall be borne by the Buyer. Any and all costs associated with the transport of the rectified Equipment back to the Buyer, or travel expenses of a qualified engineer sent to inspect and/or repair the Equipment on site, shall be always borne by the Seller. The Buyer shall have the right to a penalty in the amount of 0.05 % of the purchase price for each commenced day of delay with rectifying of defects claimed within the warranty period.

- j)** The relations between the contractual parties not regulated by a contract or business terms and conditions shall be governed by Czech law, in particular by the Act No. 89/2012 Coll., the Civil Code, as amended. Disputes that cannot be resolved by negotiation shall be resolved by a court in the Czech Republic, exclusively by the law of the Czech Republic.
- k)** The Seller expressly agrees that the contract (business terms and conditions), including all annexes and information about the contractual parties, the subject of the contract, the purchase price and the date of its conclusion, will be published in accordance with Act No. 340/2015 Coll., on special conditions for the effectiveness of certain contracts, the publication of these contracts and the contract register, as amended; all information stated in the contract and its annexes are not considered by the contractual parties to be trade secrets within the meaning of § 504 of the Czech Act No. 89/2012 Coll., the Civil Code, as amended, and they grant permission for their use and publication without setting any other conditions.

## Annex No. 2 – Technical specification

The subject of the purchase is described in Section 2.2 of the Invitation to submit bids. It must meet the conditions and include components listed in this table.

No.	Description and minimum specification of the subject of the purchase as defined by the Contracting Authority	Description and specification of the subject of the purchase offered by the bidder	Complies YES/NO
<b>A</b>	<b>Controller</b>		
1	capable of controlling the Bruker Dimension ICON AFM	Controller is fully compatible with existing systems	YES
2	compatible with the latest version of NanoScope software 10.x, which is utilized for working with an AFM	Supplied with new PC with pre-installed latest NanoScope software	YES
3	compatible and capable of working in ScanAsyst mode	Supplied with ScanAsyst Plus capability	YES
4	at least 2 digital inputs and 2 digital outputs	Controller has 2 digital inputs and 2 digital outputs	YES
5	must be able to collect data from at least 8 data channels simultaneously	Collects data simultaneously from 8 data channels	YES
6	must contain at least 12 programmable BNC inputs/outputs	Contains 14 programmable BNC inputs/outputs	YES
7	must be able to collect data with a resolution of at least 5k x 5k pixels	Can collect data with a resolution of 5k x 5k pixels	YES
8	must allow to modulate the frequency of PeakForce Tapping scans over a range of at least 122 Hz to 2 kHz	Allows frequency modulation in PF Tapping in a range 122 Hz to 2 kHz	YES
9	at least three digital lock-in amplifiers, of which at least two are high-speed (at least 2x 0.01 kHz to 10 MHz)	Contains three digital lock-in amplifiers (two are high-speed in range 0.01 kHz to 10 MHz)	YES
<b>B</b>	<b>SW features</b>		
10	Scripting option for Bruker Dimension ICON AFM	Included within supplied NanoScript software	YES
11	Advanced Spectroscopy “DataCube” option for conductive AFM	Included within supplied DataCube TUNA module	YES



Datum vystavení: 19.08.2025  
Datum platnosti od: 19.08.2025  
Datum platnosti do: 31.10.2025

## Měřicí technika Morava s.r.o.

Babická 619  
66484 Zastávka  
Česká republika  
IČ : 29316715  
DIČ : CZ29316715

Tel.: +420 513 034 408  
E-mail: info@mt-m.eu  
www.mt-m.eu

## Odběratel

### Fyzikální ústav AV ČR, v. v. i. - Pracoviště Cukrovarnická

Cukrovarnická 10/112  
16200 Praha 6  
Česká republika  
IČ : 68378271  
DIČ : CZ68378271

Firma je registrována u Krajského soudu v Brně, oddíl C, vložka 77278.

## Platební údaje

Způsob platby: Bankovním převodem  
Požadovaná záloha: 0,00  
Splatnosti dní: 30  
Měna: CZK

## Obchodní údaje

Doba dodání (týdny): 20  
Záruční lhůta (měsíce): 12

## ICON NS6 upgrade with software features

Č.	Katalog	Popis	Počet MJ	Cena bez DPH
1.	NS6-U base	NanoScope 6 Upgrade for an existing Icon, FastScan, or MultiMode System <ul style="list-style-type: none"><li>For MultiMode 8/8HR/8E/8J, Icon, FastScan, FastScan Bio, and Dimension Pro/XR/HPI SPMs with an existing NanoScope V control station and v8.XX or later NanoScope software</li><li>This upgrade provides a new NanoScope 6 controller bearing standard 12 month warranty, version 10.XX NanoScope software, a new Windows 10 computer, new DSP and USB speaker for existing 30-inch monitor (monitor <b>MUST</b> be compatible with a DisplayPort interface)</li><li>Upon installation of upgrade, customer <b>MUST</b> return prior controller and computer's DSP board, if applicable, to Bruker. Pricing of this upgrade reflects a credit for the controller exchange.</li><li><b>NanoScope 6 SPM Control Station with V10.0 or later NanoScope Software and Windows 10 Operating System</b>, our most advanced controller. Includes our proprietary PeakForce Tapping and ScanAsyst Modes, using exclusive PeakForce Tapping technology, now with new variable PeakForce Tapping frequency and high-speed sampling. The NanoScope 6 controller includes eleven ADCs (three high speed); thirteen DACs (five high speed), four digital lines (two in, two out), three digital lock-ins, eight simultaneous data channels, digital Q control, fourteen software configurable BNC I/O signal connections, Virtual Signal Access, and more. It offers the highest resolution (up to 5k x 5k) and fastest interfaces available with a newly designed graphical user interface rendering more efficiency and easier to use in all modes supported.</li><li><b>NOTES:</b> 1) Customer can keep existing computer but <b>MUST</b> return DSP board; 2) <b>NOT</b> compatible with Picoforce; 3) <b>NOT</b> compatible with Harmonix</li><li><b>REQUIRES</b> use of cables from existing control station</li></ul>	1,0 ks	2 154 750,00
2.		NanoScript-COM Beta Software for NanoScope-based SPM <ul style="list-style-type: none"><li>Bruker COM software provides access to many NanoScope functions through a standard COM interface. Supported commands allow a User to engage the probe, change XY offsets, and withdraw the probe.</li><li>This special does <b>not</b> commit Bruker to develop new COM functions for added functionality</li><li><b>REQUIRES</b> separate purchase of NanoScope-based SPM</li></ul>	1,0 ks	357 000,00

# NABÍDKA VYDANÁ NAB-20250590

Č.	Katalog	Popis	Počet MJ	Cena bez DPH
3.	DCUBE-TUNA	DCUBE-TUNA Mode,Tunneling/Conductive AFM Microscopy	1,0 ks	193 035,00
		<ul style="list-style-type: none"><li>• New DataCube TUNA Mode provides nanoelectrical and nanomechanical spectra at every point based on FastForce Volume.</li><li>• FastForce Volume provides advanced quantitative force volume and spectroscopy with FastForce mapping capability.</li><li>• Captures nanoelectrical and nanomechanical information using FastForce Volume with user-defined dwell times to capture I-V curves, Force, Stiffness, Adhesion and Elastic Modulus at every pixel.</li><li>• <b>REQUIRES</b> Windows 7 or later-based Icon or FastScan with Icon Scan Head</li><li>• <b>REQUIRES</b> purchase of ICON-PFTUNA application module for Dimension Icon or FastScan SPM (if <b>NOT</b> currently installed on Dimension SPM)</li><li>• Includes one additional day on-site installation/training if purchased with Model ICON-PFTUNA application module</li><li>• If purchased separately, customer must also purchase one day of installation/application training (Model ITCS1-SRV)</li></ul>		

4.		Doprava, instalace	1,0	30 600,00
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**Cena celkem bez DPH (bez volitelného příslušenství) 2 735 385,00 CZK**

<b>DPH</b>	<b>574 430,85 CZK</b>
<b>Cena celkem s DPH (bez volitelného příslušenství)</b>	<b>3 309 815,85 CZK</b>