



Purchase Contract

(hereafter the "**Contract**") concluded in accordance with the provisions of Section 2079 et seq. of Act No. 89/2012 Coll., the Civil Code (hereinafter referred to as the "CC")

1. CONTRACTUAL PARTIES

- 1.1. **Archeologický ústav AV ČR, Praha, v. v. i.** (Institute of Archaeology of the Czech Academy of Sciences, Prague),

with registered offices at: Letenská 123/4, 118 00 Praha 1, Czech Republic,
represented by: Mgr. Jan Mařík, 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.: 67985912
Tax ID No.: CZ67985912

Bank: [REDACTED]
Account No. IBAN: [REDACTED]; BIC (SWIFT): [REDACTED]

(hereinafter referred to as the "**Buyer**")

and

- 1.2. **SENSYS Sensorik & Systemtechnologie GmbH,**

with registered offices at: Rabenfelde 5, 15526 Bad Saarow, Germany,
represented by: Wolfgang Süß, Managing Director,
registered in the Commercial Register (*Handelsregister*) at Local court in Frankfurt an der Oder.
ID No.: HRB 5419
Tax ID No.: DE178430879

Bank: [REDACTED]
Account No. IBAN: [REDACTED] BIC (SWIFT): [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 *the Beneficiary* of the project "The Land Gone Wild. Archaeological and Transdisciplinary Research on Resilience Strategies in the 20th Century" under the *Operational Programme Johannes Amos Comenius* within the framework of EU funds, project registration number CZ.02.01.01/00/23_025/0008705 (hereinafter referred to as the "**Project**"). The subject of performance under this Contract is intended in part for use within the Project and is also partially funded by funds provided for the implementation of the Project.
- 2.2. The Buyer acquires the subject matter of performance under the Contract for the purpose of performing fast methods of magnetometric measurement including georeferenced points, i.e. area measurements and detailed verification of subsurface archaeological situations.
- 2.3. The Seller has been selected as the winner of a public procurement for the public contract with the title "**Five-channel fluxgate gradiometer with GPS - REISSUE**" (hereinafter the "**Procurement Procedure**").
- 2.4. The documentation necessary for the implementation of the subject of performance hereof consists of
 - 2.4.1. **Technical specifications** of the subject of performance hereof attached as **Annex 1** hereto.
 - 2.4.2. 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 Seller's Bid forms **Annex 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 or a provision more favorable to the Buyer shall prevail.
- 2.5. The Seller declares that it has all the professional prerequisites necessary for the delivery of the subject matter of performance, that it is authorized to perform the activities under the Contract, and that there are no obstacles on its part that would prevent it from delivering the subject matter of performance under the Contract.
- 2.6. 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 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:
 - a **Five-channel fluxgate gradiometer with GPS and accessories** specified in detail in Annexes 1 and 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 1 and 2 hereto to the place of performance, unless the Buyer notifies the Seller in writing in a timely manner that it will take delivery of the Equipment at the Seller's premises;

- 3.2.2. Verification of the functionality of the Equipment, calibration, performing acceptance tests (according to manufacturer's documentation), issuing reports on the outcome of these tests;
 - 3.2.3. Training of operators in Czech or English language at the Seller's discretion (at least 4 hours of training of 2 operators)
 - 3.2.4. Delivery of detailed instructions and manuals for operation and maintenance in Czech or English language at the Seller's discretion, in electronic or hardcopy (printed) versions;
 - 3.2.5. Free-of-charge warranty service during the warranty period;
 - 3.2.6. Provision of technical support in the form of free-of-charge consultations, e.g. regarding fine tuning of the Equipment, in the extent of max. 12 hours within 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 with CE marking requirements. In case of any conflict between applicable standards, it is understood that the stricter standard or its part shall always apply.

4. PERFORMANCE PERIOD

- 4.1. The Seller undertakes to deliver the Equipment to the Buyer within **3 months** of the conclusion of the Contract.
- 4.2. The Seller is obliged to notify the Buyer of the date of delivery of the Equipment at least 15 days in advance. This term is subject to the consent of the Buyer.
- 4.3. If the Buyer does not notify the Seller in a timely manner that it will take delivery of the Equipment at the Seller's premises, the Seller undertakes to duly hand over the Equipment to the Buyer in accordance with Section 9. of the Contract no later than 10 working days after the delivery to the place of performance. The specific date of handover of the Equipment, which shall also include testing of the Equipment pursuant to Section 3.2.2 of the Contract and training of operators pursuant to Section 3.2.3 of the Contract, shall be determined by written agreement between the Parties. If the Parties do not agree on a specific date for the handover of the Equipment, the handover shall take place on the last day of the period specified in the first sentence of this paragraph.

5. PURCHASE PRICE, INVOICING, PAYMENTS

- 5.1. The purchase price is based on the Seller's Bid and amounts to **65 999,15 EUR** (in words: Sixty-five thousand, Nine hundred ninety-nine Euros and fifteen Cents) excluding VAT (hereinafter the "**Price**"). VAT shall be settled in accordance with the valid Czech regulation.
- 5.2. The Price includes any and all performance provided by the Seller in connection with meeting the Buyer's requirements hereunder, as well as all fees, customs duties, insurance, etc. and all costs that the Seller may incur in connection with the delivery and testing of the Equipment upon handover.
- 5.3. The Seller is entitled to invoice the Price after the proper handover and acceptance of the Equipment in accordance with Section 9. of the Contract; in the event of handover with defects in accordance with Section 9.7 of the Contract, then only after their removal.
- 5.4. All invoices issued by the Seller must contain all information required by the applicable laws of the Czech Republic and, in addition, they must contain

5.4.1. 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, and

5.4.2. state that the Equipment is supplied in part for the purposes of the project "The Land Gone Wild. Archaeological and Transdisciplinary Research on Resilience Strategies in the 20th Century" with the registration number CZ.02.01.01/00/23_025/0008705.

- 5.5. The Buyer requests electronic invoicing to the electronic address [REDACTED]
- 5.6. 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.
- 5.7. 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. The Seller shall issue a new or 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.
- 5.8. Both Parties shall be entitled to unilaterally set off only in case of undisputed or legally established claims.

6. OWNERSHIP TITLE

Ownership of the Equipment and the associated risk of damage shall pass to the Buyer upon proper handover of the Equipment in accordance with Section 9. of the Contract.

7. PLACE OF PERFORMANCE

The place of performance shall be at the address of the registered offices of the Buyer.

8. INTERACTION OF THE PARTIES

- 8.1. The Seller undertakes to notify the Buyer of any obstacles on its part, which may negatively influence proper and timely delivery and/or handover of the Equipment.
- 8.2. The Seller is obliged to cooperate in the performance of financial control within the meaning of Section 2(e) of Czech Act No. 320/2001 Coll., on Financial Control in Public Administration and on Amendments to Certain Acts (the Financial Control Act). The Seller also expressly undertakes to cooperate with the Buyer in the event of inspections by authorized entities in connection with the Project.
- 8.3. The Seller undertakes to keep the documents it has received from or handed over to the Buyer in connection with the performance of this Contract for possible inspection for the period specified by law or for the period specified by the Project rules for the archiving of documents.

9. DELIVERY, HANDOVER AND ACCEPTANCE

- 9.1. If the Seller transports the Equipment at his own cost to the place of performance, then, provided the shipment is intact, the Buyer shall issue delivery note for the Seller; this shall not affect the Buyer's right to notify the Seller of obvious defects in the Equipment until the handover procedure has been duly in accordance with this Section 9. of the Contract.

- 9.2. The Seller shall perform and document acceptance tests pursuant to Section 3.2.2 of the Contract in order to verify whether the Equipment is functional and meets the technical requirements of Annexes No. 1 and 2 hereof.
- 9.3. The handover procedure includes the handover of technical documentation relating to the Equipment, instructions for use, a declaration of conformity of the Equipment, all its components and accessories with approved standards.
- 9.4. The handover procedure shall be completed by handover of the Equipment confirmed by the handover protocol (hereinafter the **"Handover Protocol"**). The Handover Protocol must include the following mandatory information:
- 9.4.1. Identification details of the Seller, Buyer, and any subcontractors,
 - 9.4.2. description of the Equipment, including a list of components and serial/manufacturing numbers,
 - 9.4.3. description of the tests performed in accordance with Section 3.2.2., including the achieved parameters,
 - 9.4.4. confirmation of operator training pursuant to Section 3.2.3.,
 - 9.4.5. a list of technical documentation, including the manual,
 - 9.4.6. any reservations by the Buyer regarding minor defects and the method and timeframe for their rectification, and
 - 9.4.7. the date of issuance.
- 9.5. Handover of the Equipment does not relieve the Seller from liability for damage caused by its defects.
- 9.6. 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.
- 9.7. 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 the defects shall be remedied within 15 days of the date of signing the Handover Protocol.


10. REPRESENTATIVES, NOTICES

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



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



- 10.3. The representatives according to Sections 10.1 and 10.2 can be changed by a unilateral written declaration of the Buyer / Seller delivered to the Seller / Buyer.
- 10.4. 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 to arupraha@arup.cas.cz in the case of Buyer and to  in the case of the Seller.
- 10.5. 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 10.1 and 10.2.

11. TERMINATION

- 11.1. The Buyer is entitled to withdraw from the Contract without any penalty from the Seller in any of the following events:
 - 11.1.1. The Seller is in delay with the handover of the Equipment longer than 1 month.
 - 11.1.2. The technical parameters or other conditions set out in the technical specifications set out in Annexes 1 and 2 to this Contract and in the relevant applicable technical standards will not be met by the Equipment at acceptance (at any time prior to the signing of the Handover Protocol).
 - 11.1.3. The Equipment shows obvious defects after delivery, which will be reported to the Seller pursuant to Section 9.1 of this Contract.
 - 11.1.4. The Seller fails to remedy the defects listed in the list of defects identified in the Handover Protocol pursuant to paragraph 9.7 in a timely manner.
 - 11.1.5. Facts emerge bearing evidence that the Seller will not be able to deliver the Equipment.
 - 11.1.6. A petition for insolvency proceedings has been filed, or steps have been taken to initiate liquidation proceedings against the Seller, unless the Seller proves to the Buyer that such petition or steps are arbitrary and unjustified.
- 11.2. The Seller is entitled to withdraw from the Contract in the event of the Buyer being in default with the payment for more than 2 months, except for cases where the Buyer has not paid the invoice due to a defect in the delivered Equipment or a breach of the Contract by the Seller.
- 11.3. The legal grounds for withdrawal from the Contract by either Party shall remain unaffected.
- 11.4. The effects of withdrawal from the Contract shall take effect on the date of delivery of written notice of withdrawal from the Contract by one Party to the other Party. The Party to which the other Party provided performance prior to withdrawal from the Contract shall return such performance within 30 days of the date of dispatch of the notice of withdrawal by the withdrawing Party, unless the withdrawing Party specifies a longer period.

11.5. In the event of early termination of the Contract, the Seller shall be obliged to ensure the removal of the Equipment from the place of performance within 30 days from the date on which the withdrawal from the Contract took effect. The Buyer shall provide the Seller with the necessary cooperation similar to the cooperation provided during the installation of the Equipment. The costs of removal shall be borne by the Party whose breach of the Contract caused its early termination.

12. INSURANCE, LIABILITY FOR DAMAGES

12.1. The Seller undertakes to insure the Equipment against all risks, at least 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.

12.2. The Seller is liable for the damages that it has caused. The Seller is also liable for damages caused by third parties, whom the Seller has engaged to carry out performance or part thereof under this Contract.

13. WARRANTY TERMS

13.1. The Seller shall provide warranty for the quality of the Equipment for a period of **2 years**.

13.2. The warranty term shall commence on the day following the date of signing of the Handover Protocol. 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. At the same time, such parts must be explicitly identified in the technical documentation for the Equipment as parts not covered by the warranty.

13.3. Should the Buyer discover a defect in the Equipment, it shall request the Seller to remedy the defect by sending a standard e-mail to the following address: [REDACTED] The Seller is obliged to notify the Buyer without delay about any change of this e-mail address.

13.4. Unless the Parties agree otherwise in writing in a specific case, the Seller shall be obliged, from the moment of sending the notification pursuant to the previous paragraph

13.4.1. to propose a method of remedying the defect within 48 hours,

13.4.2. to commence warranty repairs within 3 working days,

13.4.3. to remedy the defect within 30 days.

13.5. The costs associated with warranty repairs, including transport and travel expenses, shall always be borne by the Seller.

13.6. The Seller shall hand over the repaired Equipment to the Buyer on the basis of a defect repair handover protocol (hereinafter referred to as the "**Defect Repair Protocol**") containing confirmation from both Parties that the Equipment has been repaired.

13.7. The warranty period provided for the Equipment under Section 13.1 of the Contract shall be extended by the period elapsing from the date of sending the notification until the removal of the defect covered by the warranty under this Contract. The repaired part of the Equipment shall also be covered by the warranty period under Section 13.1, which shall commence on the date of removal of the defect according to the Defect Repair Protocol.

13.8. If the Equipment exhibits defects for which it cannot be demonstrably used to its full extent for more than 60 days (defect period) during six or fewer consecutive months of the warranty period, the Seller shall be obliged to remedy the defect by delivering new Equipment without defects in accordance with Section 2106(1)(a) of the CC, within 30 days of the date of dispatch of the request for delivery, unless agreed otherwise by the Parties.

14. CONTRACTUAL PENALTIES

- 14.1. The Buyer is entitled to charge the Seller a contractual penalty of 0.05% of the Price for each commenced day of delay in fulfilling the obligations under Sections 4.1 and 13.8 of the Contract.
- 14.2. The Buyer is entitled to compensation of 20 EUR for each commenced day of delay in commencing warranty repairs pursuant to Section 13.4.2.
- 14.3. The Buyer is entitled to compensation of 50 EUR for each commenced day of delay in removing the defect after the deadline for removing the defect specified in Section 13.4.3 or in another manner specified in this Contract.
- 14.4. In the event of exercising the grounds for withdrawal from the Contract pursuant to Section 11.1.2, the Buyer is entitled to claim a contractual penalty of 10% of the Price from the Seller.
- 14.5. In the event of a delay in the payment of any due receivable (monetary debt) under the Agreement, the defaulting Buyer or Seller (debtor) shall be obliged to pay the other Party (creditor) default interest at the statutory rate for each commenced day of delay.
- 14.6. The contractual penalty is payable within 30 days of the date of dispatch of the payment request.
- 14.7. Payment of the contractual penalty shall not affect the Parties' claims for damages; the application of Section 2050 of the CC is excluded.
- 14.8. The contractual penalty shall not apply if the contractual obligation is breached as a result of force majeure.

15. DISPUTES

In the event of a dispute between the Parties in connection with this Contract, the local jurisdiction shall be determined by the Buyer's registered office.

16. CONFIDENTIALITY

The Parties declare that they will maintain confidentiality regarding any facts they learn in connection with this Contract and its performance, the disclosure of which could cause harm to the other Party. This does not affect the Buyer's legal obligations.

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 CC.
- 17.2. The Seller declares that it assumes the risk of a change in circumstances within the meaning of Section 1765(2) of the CC.

- 17.3. Any amendments or additions to this Contract may be made only by written agreement between the Parties, signed by their authorized representatives, unless the Contract or applicable law permits a unilateral amendment.
- 17.4. The Parties declare that all information contained in the Contract and its annexes, with the exception of those expressly designated by the Seller as trade secrets, shall not be considered trade secrets pursuant to Section 504 of the CC and the Seller grants permission for their use and disclosure without setting any other conditions.
- 17.5. This Contract becomes effective as of the day of its publication in the Contract Register.
- 17.6. The following Annexes form an integral part of the Contract:
- Annex 1: Technical specification of the subject of performance
- Annex 2: Technical description of the Equipment as presented in Seller's bid
- 17.7. If this Contract is drawn up and signed in paper form, it shall be drawn up in two copies, each of which shall be received by one of the Parties. If this Contract is executed and signed in electronic/digital form, each Party shall have it at its disposal after it has been signed by both Parties with the relevant electronic signatures.
- 17.8. The Parties, manifesting their consent with the entire contents of this Contract, attach their signature hereunder.

In Prague 11. 6. 2026

For the Buyer

In Bad Saarow

For the Seller

Mgr. Jan Mařík, Ph.D.
Director

Wolfgang Süß
Managing Director

Annex 1 - Technical specification of the subject of performance

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	possibility of parallel continuous measurement on 5 profiles with the possibility of selecting the density of the measured profiles	The system comes with 5 sensors, spacing of 25cm or 50cm possible. Number of sensors can be expanded to 16.	YES
2	suitable control unit for field measurements in various conditions (rugged PC or tablet)	Panasonic Table FZ-G2	YES
3	foldable two-wheeled cart, min. width 1.25m, with other expansion options	Modular cart, 1m or 2m wide	YES
4	control panel for connection of up to 10 probes	Up to 16 probes can be connected	YES
5	5 gradiometer probes with cable accessories	5 probes FGM650/3 with cables will be delivered	YES
6	GPS equipment for recording georeferenced measured data from the gradiometer	A base/rover system is part of the system	YES
7	SW license for the data processing for min. 3 individual users working in parallel (portable over devices), including free updates during the warranty period	3 licences will be delivered	YES
8	SW license for processing data from GPS (DLMGPS) for min. 3 individual users working in parallel (portable over devices), including free updates during the warranty period	DLMGPS will be delivered FOC	YES
9	suitability of the Equipment and its accessories for measurements in various terrain conditions (inclined, unevenly dissected, forested terrains)	System can be used without wheels and without GPS	YES
10	powerful batteries for measurements (enabling continuous operation of the Equipment for at least 10 hours at full load)	3 batteries will be delivered, each will allow for 4 hours of operation	YES
11	compatibility with the Buyer's existing probes (types FMG650B, FGM650/3, FGM650/10)	The system is compatible with all SENSYS probes	YES

SENSYS®

Magnetometers & Survey Solutions

SENSYS Sensorik & Systemtechnologie GmbH • Rabenfelde 5 • 15526 Bad Saarow

Institute of Archaeology Prague
 Letenská 4
 118 01 Praha 1 - Malá Strana
 Czech Republic

Technologiezentrum
 Rabenfelde



Quotation 2600590

Customer ID.: 10390	Contact Person: Gorden Konieczek	Date: 21.05.2026
Enquiry Date: 16.05.2025	Telephone: +49 33631 59650	Offer Validity: 20.06.2026
	E-mail: gkonieczek@sensys.de	Page: 1 von 2

Dear Ladies and Gentlemen,

Thank you for your inquiry. We like to offer you as listed below:

Pos.	Item No.	Description	Quantity	Unit Price (EUR)	Total (EUR)
1	S2139	<p>MAGNETO® MX V4 5 channel Type F System for magnetic area survey Data recording: 1x data acq. unit incl. hand signal button 1x rugged PC incl. MonMX software 1x SyncAgent Carrier and probes: 5x probes FGM650/3 or FGM650/10 with cabling 1x probe carrier (2m width) with wheel set 1x carrier strap with power supply 1x mounting set for all electronics 1x GPS antenna mount 1x odometer Software: 1x DLMGPS for coordinate transformation 1x MAGNETO for data interpretation Transport: 1x hard case for FGM650 probes 1x hard case for electronics and cables 1x hard case for the carrier</p> <p>A GNSS system is not part of the system and has to be provided or ordered separately, if the usage of a GNSS system is desired. The cable for the GNSS receiver is also not included; it can be ordered separately by specifying the receiver type.</p>	1,00 pc.		
2	S5007-V02	<p>MAGNETO® 3.01 Arch CmStick Dongle (Wibu) Software for processing magnetic measurement data</p>	2,00 pc.		

Subtotal ██████████

SENSYS®

Magnetometers & Survey Solutions

SENSYS Sensorik & Systemtechnologie GmbH · Rabenfelde 5 · 15526 Bad Saarow

Technologiezentrum
Rabenfelde



Quotation 2600590

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Pos.	Item No.	Description	Quantity	Unit Price (EUR)	Total (EUR)
3	S1021	Battery Lead gel battery, 12V, 6-8Ah, MIL 3 pin connecton	1,00 pc.	██████	██████
4	S2082	Stonex GPS base and rover for referencing within one centimeter incl. 2x receiver pods, cables, tripods, power supply, controller with software, tripod, hand tripod and transport case	1,00 pc.	██████	██████
5	S9008	Shipping CIP Prague, CZ, INCOTERMS 2020 Abrechnung erfolgt auf der Grundlage tagesaktueller Tarife.	1,00 unit	██████	██████
Total (net)					65.999,15
0,00% VAT					0,00
Total					65.999,15

Terms of payment: 30 days net.

Lead time: 3 -4 weeks after order

Terms and Conditions: Quotation is subject to prior sale. All prices EXW, Incoterms 2020 except if stated otherwise. Warranty on material and defects in design is 1 year. Orders are subject to the general terms and conditions of SENSYS which are available on our website (www.sensys.de).

Feel free to contact us at any time if you have any further questions. We look forward to receiving your purchase order.

Kind regards

Gorden Konieczek
Application Engineer

S900+ GNSS Receiver

Powerful Precision
Performance

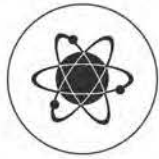


S900+ Powerful Precision Performance

Stonex S900+ is equipped with a high-performance GNSS board with 1408 channels and can support multiple satellite constellations: GPS, GLONASS, BEIDOU, GALILEO, QZSS and IRNSS.

Through the 4G GSM modem, a fast Internet connection is guaranteed for receiving correction data and carry out precise and accurate surveys. In the incredibly compact design, Bluetooth and Wi-Fi modules allow for always reliable data flow to the controller, while the integrated UHF TX/RX radio makes the S900+ the perfect system for a GNSS Base + Rover.

The S900+ is also equipped with optional IMU technology. Quick initialization, tilt up to 60° and corrected coordinates of a point with a single click.



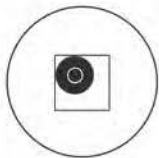
MULTIPLE CONSTELLATIONS

Stonex S900+ with its 1408 channels, provides an excellent on-board real-time navigation solution with high accuracy. All GNSS signals (GPS, GLONASS, BEIDOU, GALILEO, QZSS and IRNSS) are included, no additional cost.



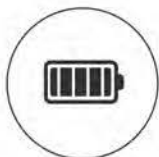
4G MODEM

S900+ has an internal 4G modem that operates with all world signals, a fast internet connection is guaranteed.



IMU

IMU technology is available for this model, with quick initialization the operator can take advantage of all the precision and efficiency of this system.



SMART BATTERIES

The dual slot for two smart hot swappable batteries gives you up to 12 hours of battery life. The power level can be checked and seen on the controller or directly on a led bar on the battery.



RADIO (Optional)

An activation code can enable the integrated UHF on the S900+, with a range of up to 10 km under optimal conditions.





S900+ IMU Technology

S900+ GNSS receivers have the IMU System that allows tilted measurement (TILT). Thanks to the IMU technology, the difficult and inaccessible points as the edges of the buildings, are no longer a problem.

What are the performances of the S900+ with IMU?

- Fast initialization
- Up to 60° inclination
- 2cm accuracy 30°
- 5cm accuracy 60°
- Fast and precise survey
- No problem of electromagnetic disturbances



Stonex S900+ with IMU system makes every measurement reliable, in both survey and stakeout jobs, and makes the acquisition of points extremely faster: up to 40% of the field work time can be saved!

Why to choose S900+ ?

If long-lasting in field is what is needed, this GNSS is the right choice. Not only are the batteries extremely capacious but they are also hot-swappable. The batteries available in this model are lithium batteries, and their total operating time can be up to 12 hours.



S900+ TECHNICAL FEATURES

RECEIVER

Satellite signals tracked	GPS: L1 C/A, L1C, L2P, L2C, L5
	GLONASS: L1, L2, L3
	BEIDOU: B1, B2, B3 (B1I, B2I, B3I, B1C, B2a, B2b)
	GALILEO: E1, E5a, E5b, E6
	QZSS: L1, L2, L5
	IRNSS: L5
	SBAS
PPP	B2b PPP, HAS
Channels	1408
Position Rate	Up to 20Hz
Signal Reacquisition	< 1 s
RTK Signal Initialization	2 to 4 seconds
Hot Start	Typically < 15 s
Initialization Reliability	> 99.9 %
Internal Memory	8 GB
OS	Linux
Micro SD Card	Expansion slot up to 32 GB
Tilt sensor	IMU and E-bubble

POSITIONING¹

HIGH PRECISION STATIC SURVEYING

Horizontal 2.5 mm + 0.1 ppm RMS

Vertical 3.5 mm + 0.4 ppm RMS

REAL TIME KINEMATIC (< 30 Km) WITH RADIO MODEM AND NETWORK RTK²

Fixed RTK Horizontal 5 mm + 0.5 ppm RMS

Fixed RTK Vertical 10 mm + 0.5 ppm RMS

PPP Accuracy < 20 cm RMS

SBAS Accuracy³ < 60 cm RMS

INTEGRATED GNSS ANTENNA⁷

High accuracy multi-constellation antenna, zero phase center, with internal multipath suppressive board

INTERNAL RADIO (optional)⁴

Type Tx - Rx 1W

Frequency Range 403 - 475 MHz

Channel Spacing 12.5 KHz / 25 KHz

Range 3-4 Km in urban environment

Up to 10 Km with optimal conditions⁶

INTERNAL MODEM

Band	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B18/B19/B20/B25/B26/B28
	LTE TDD: B38/B39/B40/B41
	UMTS: B1/B2/B4/B5/B6/B8/B19
	GSM: B2/B3/B5/B8
	Nano SIM card

COMMUNICATION

I/O Connectors	7-pin Lemo (RS232) and 5-pin Lemo interfaces. Multifunction cable with USB interface for PC connection
Bluetooth	2.1 + EDR, V5.0
Wi-Fi	802.11 a/b/g/n/ac
Web UI	To upgrade the software, manage the status and settings, data download, etc. via smartphone, tablet or other electronic device with Wi-Fi capability
Reference outputs	RTCM2.3, RTCM3.0, RTCM3.2 MSM, CMR, CMR+, DGPS
Navigation outputs	NMEA 0183

POWER SUPPLY

Battery	2 rechargeable and replaceable 7.2 V - 3.400 mAh Intelligent lithium batteries
Voltage	9 to 28 V DC external power input with over-voltage protection (5-pin Lemo)
Working Time	Up to 12 hours (2 batteries hot swap)
Charge Time	Typically 4 hours

PHYSICAL SPECIFICATION

Dimensions	Ø 157 mm x 76 mm
Weight	1.19 Kg (with one battery) 1.30 Kg (with two batteries)
Operating Temperature	-40°C to 65°C (-40°F to 149°F)
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Waterproof/Dustproof	IP67 IP68 ⁵
MIL-STD	MIL-STD-810 F/H
Shock Resistance	Designed to endure to a 2 m pole drop on hardwood floor with no damage
Vibration	Vibration resistant

1. Accuracy and reliability are generally subject to satellite geometry (DOPs), multipath, atmospheric conditions and obstructions. In static mode they are subject even to occupation times: the longer is the Baseline, the longer must be the occupation time.

2. Network RTK precision depends on the network performances and are referenced to the closest physical base station.

3. Depends on SBAS system performance.

4. Optional, can be activated via activation code.

5. On request when ordering.

6. Varies with the operating environment and with electromagnetic pollution.

7. The NOAA registered antenna code for this model is named STXS900A



If you are looking for an Italian instrument with a 3 years warranty, you can purchase the Italian version of our S900+ GNSS Receiver.

Illustrations, descriptions and technical specifications are not binding and may change

STONEX AUTHORIZED DEALER



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