



Instituto de Geociências de Timor-Leste, Instituto Público (IGTL)

SOLICITAÇÃO DE COTAÇÕES

FORNECIMENTO DE EQUIPAMENTO MAGNETÓMETRO PORTÁTIL G-857 PARA IGTL SDC/84/IGTL/XII/2025

INTRODUÇÃO

O Instituto de Geociências de Timor-Leste (IGTL) é um instituto público criado pelo Decreto-Lei n.º 60/2023, de 6 de setembro, que altera o Decreto-Lei n.º 33/2012, de 18 de julho. A sua missão principal é conduzir investigações de geociências no território de Timor-Leste e nas áreas marítimas sob a sua jurisdição. A fim de cumprir a sua missão, o IGTL pretende contratar uma empresa competitiva e fiável que assegure o fornecimento de equipamento magnetómetro portátil G-857 para IGTL.

SUBMISSÃO E PRAZO

A proposta completa deve ser submetida num envelope selado, marcado como "**CONFIDENCIAL**" e mencionando o número de referência do processo de contratação, dirigida ao Unidade de Aprovisionamento, e entregue em mãos ou por correio para: **Instituto de Geociências de Timor-Leste, City 8, CBD Level 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste**, ou por email para aprovisionamento@igtltl. O prazo para a submissão da proposta será no dia 29 de dezembro de 2025 às 16:30 horas de Timor-Leste. Candidaturas tardias não serão consideradas.

INFORMAÇÕES ADICIONAIS

Questões ou pedidos de informações adicionais devem ser feitos por carta ou email para aprovisionamento@igtltl.

Nota: O Termos de Referência podem ser obtidos mediante pedido escrito por email ou descarregados em formato PDF a partir do site do IGTL em www.igtltl.

REQUEST FOR QUOTATION

PROVISION OF PORTABLE MAGNETOMETER G-857 FOR IGTL SDC/84/IGTL/XII/2025

BACKGROUND

The Instituto de Geociências de Timor-Leste (IGTL) is a public institute established through Decree Law No. 60/2023 on September 6th, amending Decree Law No. 33/2012 from July 18th. Its primary mission is to conduct geoscience investigations in Timor-Leste's territory and maritime areas under its jurisdiction. In order to fulfill its mission, IGTL wishes to engage with a competitive and reliable company for the provision of portable magnetometer G-857 for IGTL.

SUBMISSION AND DEADLINE

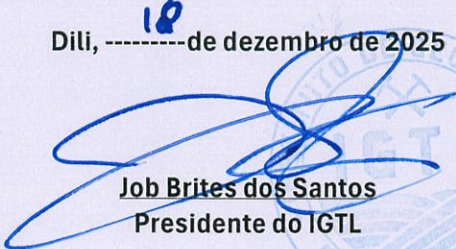
The completed proposal should be submitted in a sealed envelope, marked "**CONFIDENTIAL**" and mentioned the procurement reference number for the attention of Procurement Unit, and submitted by hand or courier to: **Instituto de Geociências de Timor-Leste, City 8, CBD Level 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste**, or by email to aprovisionamento@igtltl. The deadline for submission of proposal will be on 29 of December 2025 at 16:30 Timor-Leste time. Late application will not be considered.

FURTHER INFORMATION

Question or request for further information should be made by letter or email to aprovisionamento@igtltl.

Note: The Terms of Reference document could be obtained by sending a written request via email or downloaded as a PDF copy from the IGTL website at www.igtltl.

Dili, 18 de dezembro de 2025


Job Brites dos Santos
Presidente do IGTL



**Instituto de Geociências de Timor-Leste, Instituto Público
(IGTL)**

REQUEST FOR QUOTATION

NU: SDC/84/IGTL/XII/2025

**REQUEST FOR QUOTATION
DOCUMENT**

PROVISION OF PORTABLE MAGNETOMETER FOR IGTL

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I PROCEDURE PROGRAM

1. Procedure Identification:	SDC/84/IGTL/XII/2025 – Provision of Portable Magnetometer for IGTL.
2. Contracting Authority:	Instituto de Geociências de Timor-Leste, Instituto Público
3. Contact details of the contracting authority:	website: www.igtl.tl ; Phone: (+670) 3310179
4. Entity or Procurement Service	Unidade de Aprovisionamento – IGTL
5. Contact details of the procurement entity or service	IGTL, IP, City 8, CBD Level 2, Rua Hás laran, Manleuana, Dili – Timor-Leste Phone: 3310179
6. Object of the procedure	Provision of Portable Magnetometer for IGTL.
7. Type of procedure	Request for Quotation
8. Place for Contract Execution	Instituto de Geociências de Timor-Leste, Instituto Público, City 8, CBD Piso 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste
9. Deadline for the performance of the services and/or the duration of the contract	3 months
10. Required qualification documents	<ol style="list-style-type: none"> 1. Copy of the Company Certificate/Articles of Incorporation (Deed of Establishment) 2. Copy of the Business Tax Registration Number/Corporate Tax Identification 3. Copy of the Business/Trade Operating License or Commercial Registration 4. Copy of the Certificate of Business Address/Registered Office Location 5. Copy of the Business Registration or Business Identification Number 6. Copy of Company Owner's Identity (e.g., national ID, voter ID, or passport)
11. Qualifications and required qualification documents	<p>1. Financial Capacity:</p> <ul style="list-style-type: none"> • Proof of financial capacity • This must be demonstrated through a bank statement showing cash flow for the past three months. <p>2. List of Contracts:</p> <ul style="list-style-type: none"> • Provide a list of contracts for services that are similar or almost similar in terms of complexity. • Include the contract values. <p>3. Experience Documentation:</p> <ul style="list-style-type: none"> • Submit copies of contracts for the provision of similar services. • Each contract must be accompanied by appropriate references.

12. Form of consultation of the procedural documents	Interested bidders can obtain information about this Request for Quotation at the IGTL office during working hours.
13. Clarifications and rectification of documents <ul style="list-style-type: none"> Interested parties must request the clarifications necessary for a proper understanding and interpretation of the parts of the procedure and submit a list in which they expressly and unequivocally identify the errors and omissions in the parts of the procedure that they have detected before one third of the deadline set for the submission of proposals has elapsed. Clarifications are requested in writing, by means of a letter delivered to the address of the entity or procurement service or sent to the email address of the entity or procurement service. 	
14. Competitor <ul style="list-style-type: none"> Any natural or legal person or group may be a competitor. Members of a competing group may not be candidates or competitors in the same procedure, nor may they be part of another competing group. Natural or legal persons who: <ul style="list-style-type: none"> Are in a situation or process of insolvency, cessation or suspension of activity, dissolution or liquidation; Are in default of any pecuniary obligation owed to the State or any other public entity, in particular taxes and social security contributions; Have been convicted, by a final judgment, within the last five years, of a crime related to their professional conduct, to the provision of false declarations or of erroneous information regarding their qualifications for the conclusion of a contract with a contracting authority; They have been convicted of corruption, influence peddling, fraud, tax fraud, money laundering, criminal association, terrorism, terrorist financing or human trafficking by a final judgment within the last ten years; Have provided, directly or indirectly, technical advice in the preparation or drafting of procedural documents; Are affected by conflicts of interest that cannot be effectively corrected by other less burdensome measures than exclusion; Have, in the last two years, terminated a contract without just cause or have been ordered by a final decision to pay compensation for breach of contract; Have been subject to an accessory sanction prohibiting participation in procurement procedures which has not expired; Adopt, participate in, support or encourage the conduct listed in no. 1 of article 32 of the Legal Framework for Procurement, Public Contracts and the respective infractions. The impediment provided for in the previous number also applies to legal persons when their managers, administrators or management bodies are in any of the situations listed therein. 	
15. Form of submission of proposals <ul style="list-style-type: none"> The Proposals must follow the model set out in Annex I. The proposals must be placed in an opaque, sealed envelope, with the identification of the procedure and the contracting authority indicated on the front. The proposals must be delivered, against receipt of delivery, to the address of the procurement entity or service within the deadline for the submission of proposals. 	
16. Documents constituting the proposal <ul style="list-style-type: none"> The proposal is made up of the following documents: <ul style="list-style-type: none"> The competitor's declaration, under a pledge of honor, of unconditional acceptance of the terms of reference, according to the model provided for in annex II; Declaration by the competitor, on his honor, that he is not prevented from participating in the provisioning procedure, in accordance with the model provided for in annex III; 	

c. Technical proposal, which includes the documents relating to the conditions of execution; d. Financial proposal, which includes the price; e. Note justifying an abnormally low price, when the price presented in the proposal is abnormally low;	
20. Language <ul style="list-style-type: none"> Proposals must be submitted in Portuguese, Tetum or English. The documents accompanying the proposal may be submitted in the original foreign language version together with a translation into one of the official languages. 	
21. Documents that must accompany the proposals and the form of submission <ul style="list-style-type: none"> The proposal must be accompanied by the copies of following documents <ul style="list-style-type: none"> a. Copy of the Company Certificate/Articles of Incorporation (Deed of Establishment) b. Copy of the Business Tax Registration Number/Corporate Tax Identification c. Copy of the Business/Trade Operating License or Commercial Registration d. Copy of the Certificate of Business Address/Registered Office Location e. Copy of the Business Registration or Business Identification Number f. Copy of Company Owner's Identity (e.g., national ID, voter ID, or passport) <p>The documents listed in the previous number must be presented in the same way as the proposal.</p>	
22. Deadline for submission of proposals The deadline for submission of proposal will be on ²⁹ of December 2025 at 16:30 Timor-Leste time. Late application will not be considered.	
23. Urgent Deadline	No
24. Deadline for correcting irregularities found in the documents submitted	3 days
25. Opening of proposals	Proposal will be opened by the Evaluation team
26. Minimum Proposal validity period	60 days
27. Existence of a negotiation phase and modality	No
28. Award criteria	The best price-quality ratio
29. Evaluation model	The evaluation model is presented in Annex IV.
30. Existence of essential factors	No
31. Tie-breaking criteria <ul style="list-style-type: none"> In the event of a tie, the proposals will be ranked in descending order taking into account the best score obtained in the factors and sub-factors of the technical evaluation with the highest evaluation weight. In the event of a remaining tie, the proposals will be drawn by lot. 	
32. Numeric value below which proposals are excluded	Minimal 60 point

33. Guarantee**Performance Guarantee:**Yes ☐No ☒**Quality Guarantee:**Yes ☐No ☒**34. Calendar**


The dates contained in this timetable are indicative and depend on the date on which the procedure is opened.

Phases	Date
Announcement ¹⁸ December 2025
Deadline for submission of proposals ²⁹ ... December 2025(16:30)
Opening of proposals	Proposal will be opened by the Evaluation team
Award of contract	10 days after the date of the notification of evaluation result.
Signing of contract	Within 5 days upon receiving acceptance letter

35. Applicable legislation and jurisdiction

- In all that is omitted from this program, the provisions of the Legal Regime for Procurement, Public Contracts and the respective infractions, approved by Decree-Law no. 22/2022, of May 11, shall apply.
- In the event of any disputes, these will be settled using Timorese law at the Dili District Court, expressly waiving any other.

Dili, December ¹⁸....., 2025


Job Brites dos Santos
President of IGTL



2 ANNEX I - PROPOSAL TEMPLATE

The proposal must be organized according to the structure of this model and include all the elements referred to in it, unless there is any aspect that is not applicable or does not exist and which must be expressly stated as such, otherwise it will be considered missing.

The document may not exceed 50 (fifty) pages, preferably in A4 format, Arial 10 font and 1.5 spacing.

The page limit does not apply to the documents accompanying the proposal, namely the qualification documents, the classification documents and the curriculum vitae.

All the requirements set out in the technical specifications are mandatory and failure to comply with them, or omission of the elements set out in this model, will constitute grounds for exclusion.

MODEL

CHAPTER I - INTRODUCTION

Where the bidder presents its understanding of the work and services to be provided and other content that it considers pertinent as an introduction to its proposal.

CHAPTER 2 - PROPOSED SERVICES

In this chapter, the bidder must demonstrate the suitability of the proposal to the requirements and specifications described in Part II of the Terms of Reference.

To this end, the bidder must describe the main technical activities of the service, indicating the tools they intend to use;

CHAPTER 3 - IMPLEMENTATION

In this chapter, the bidder must demonstrate that the proposal meets the implementation requirements of Part II of the Terms of Reference.

To this end, the bidder must describe the project implementation methodology, detailing activities, results, responsibility and interdependence.

CHAPTER 4 - ORGANIZATION AND TEAM

The proposal must present and describe:

1. The organizational structure of the team and other parties involved, and the composition of the team assigned to the execution of the contract.
2. For each member of the team, their profile, academic background, main skills, the role and responsibilities they will carry out in the planned team, as well as the certifications defined in the Terms of Reference by profile.
3. The information provided above must be accompanied by an up-to-date curriculum vitae and proof of the certifications declared.

CHAPTER 5 - FINANCIAL CONDITIONS

In this chapter, the proposal must present the following elements relating to the financial conditions:

1. The overall price of the service, i.e. the price to be paid by the Public Contractor for the execution of all the services that are the object of the contract to be concluded;
2. Detailed unit price figures. Prices must be indicated in numerals and in full. In the event of contradiction, the values indicated in full shall prevail.



3 ANNEX II - DECLARATION OF ACCEPTANCE OF THE TERMS OF REFERENCE

[Name of the company/grouping/entrepreneur], [Identification document number], with registered office at [address], hereby represented by [name] in the capacity of its legal representative (in the case of a company/grouping), declares, on oath, that it unconditionally accepts the specifications for the procurement procedure [identification of the procedure].

Dili, [Date]

[Name, position and signature]



4 ANNEX III - DECLARATION OF NON-IMPEDIMENT

[Name of the company/grouping/entrepreneur], [Identification document number], with registered office at [address], hereby represented by [name] as its legal representative (in the case of a company/grouping), declares, under oath, that it is not prevented from participating in the provisioning procedure because it does not find itself in any of the situations provided for in article 29 of the Legal Framework for Provisioning, Public Contracts and the respective infractions.

Dili, [Date]

[Name, position and signature]



5 ANNEX IV – EVALUATION MODEL

The award criteria are the best price-quality ratio.

The proposals will be evaluated according to the factors, sub-factors and weightings described below:

Components	Weighting	Factors	Weighting	Indicator	Weighting
Technical	60%	Technical factor 1 – Experience in similar or almost similar provision (Provision of Portable Magnetometer).	30%	Has experience in providing similar or almost similar provision. The Contracts must be annexed.	
		Technical factor 2 – Meet technical requirement (ToR & Specification)	20%	The submitted proposal must be compliant with all technical specifications outlined in the Terms of Reference (ToR)	
		Technical factor 3 – Delivery Time and Guarantee Period	10%	<ul style="list-style-type: none"> Demonstrates the capacity to complete all phases related to the provision of the Portable Magnetometer, including supply, delivery, configuration, functional testing, and user orientation, within the established time frame. Provides a clear and feasible operational schedule. The supplier must offer a minimum warranty of 1 year for all supplied components. The proposal must clearly specify the scope of the warranty and the associated support services. 	
Financial	40%	Financial factor 1 - Price	40%	The lowest price (price of proposal X) will automatically obtain 40% weight or 400 points.	

The factors are scored on a scale of 0 to 100 points.

Proposals are excluded if they score below 60 points in any of the factors.

The financial factor is only evaluated for proposals that are not excluded in the technical evaluation.

The overall score of the proposals will be equal to the sum of the scores of the factors, taking into account the weighting of each factor, obtained using the following formula:

$$(\text{Technical factor 1} \times \dots\%) + (\text{Technical factor 2} \times \dots\%) + (\text{Technical factor 3} \times \dots\%) + (\text{Financial factor 1} \times \dots\%) = \text{Overall score}$$



6 ANNEX V - TERMS OF REFERENCE

Identification of the procedure:	SDC/84/IGTL/XII/2025
Contracting authority:	Instituto de Geociências de Timor-Leste, Instituto Público (IGTL)
Object of the procedure:	Provision of Portable Magnetometer for IGTL.



PART I
LEGAL CLAUSES

Clause 1

Terms of Reference and contract

1. These Terms of Reference comprise the clauses of the contract to be concluded following the procurement procedure for contractual object in accordance with the technical specifications contained in Part II of the Terms of Reference.
2. The contract to be concluded also includes the clarifications and rectifications relating to the specifications made by the contracting authority, the proposal awarded and the clarifications relating to the proposal made by the author of the proposal.

Clause 2

Contractual object

The contractual object is the Provision of Portable Magnetometer for IGTL.

Clause 3

Obligations of the private contractor

The private company shall provide the Portable Magnetometer with the highest quality standards and specifications.

Clause 4

Obligations of the public contractor

The public contractor shall supervise the provision of services, ensure that the service are delivered according to the required terms of reference or specification, and execute the payment in a timely manner.

Clause 5

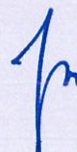
Place of execution of contractual services

Instituto de Geociências de Timor-Leste, Instituto Público, City 8, CBD Piso 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste.

Clause 6

Deadline for the execution of contractual services or the duration of the contract

The duration of the contract is 3 Months.



Clause 7

Payment

1. Upon completion of the service, the selected company shall submit an invoice to IGTL for processing.
2. Payment shall only be made once the selected company has fully complied with all contractual obligations as of the date the invoice is submitted.
3. IGTL shall process and release payment within **sixty (60) days** following completion of the service and receipt of the corresponding invoice.

Clause 8

Intellectual property

1. Ownership of intellectual property rights over any works and materials developed, created, modified or customized by the private contractor for the public contractor or by the public contractor under the Contract, including in particular writings, reports, schemes, drawings, images, photographs, specifications, parameterizations, data in electronic format and tabulations, surveys and questionnaires, inventions, technical innovations, know-how, processes, techniques, research methods, documents or any other creations, of any nature or medium, belongs to the public contractor, with the agreed contract price being considered sufficient consideration for this.
2. With the acceptance of the goods, services and/or works which are the object of this contract, ownership of them is transferred to the public contractor, as well as of all the documents drawn up by the private contractor, and the public contractor may use, reproduce, alter and transfer them freely, without any restrictions and without the need for authorization from the private contractor.
3. The private contractor shall be liable for the infringement of any patent, design, license, project, trademark, name or any other intellectual, industrial or similar property rights relating to the goods, services or works covered by the contract, namely projects, studies, computer programs, equipment, materials, documentation or work carried out.

Clause 9

Confidentiality

1. The private contractor undertakes not to disclose any information and documentation, technical and non-technical, commercial or otherwise, of which it becomes aware under or in connection with the performance of the contract.
2. No document or data to which the private contractor has access, directly or indirectly, within the scope of the contract may be reproduced without the express written authorization of the public contractor.
3. The private contractor undertakes not to use the information obtained for purposes unrelated to the performance of the contract.



4. The duty of confidentiality shall remain in force after the termination of the obligations arising from the contract.
5. The duty of confidentiality does not apply to information and documentation which has been proven to be in the public domain, or which the private contractor is legally obliged to disclose by law, legal proceedings or at the request of regulatory authorities or other competent administrative bodies.

Clause 10

Termination of the contractual position

Without prejudice to the other situations provided for in the Legal Framework for Procurement, Public Contracting and Respective Infringements, in the event of non-compliance with the contractual obligations by the private contractor, the public contractor may notify the private contractor to transfer its contractual position to a competitor ranked in a subsequent position, to be indicated by the public contractor.

Clause 11

Communications and notifications

1. The notifications and communications to be made within the scope of the contractual execution are made under the terms of article 18 of the Legal Framework for Procurement, Public Contracting and the Respective Infringements.
2. The parties' contact details are as follows:
 - a) Public Contractor:
Unidade de Aprovisionamento – IGTL
Address: City 8, CBD Piso 2, Rua Has Laran, Manleuana, Díli, Timor-Leste
Phone: (+670) 3310-179
E-mail: aprovisionamento@igtl.tl
 - b) Private contractor:
[Name and position]
[Address]
[Email address]

Clause 12

Contractual penalties

1. In the event of non-compliance with the deadlines set out in this contract due to a cause attributable to the Private Contractor, a pecuniary penalty of 1% (one percent) may be applied for each day of delay until effective compliance.
2. Without prejudice to the provisions in previous number, failure by the Private Contractor to comply with any of the obligations arising from this contract, shall entitle the Public Contractor communicate, in writing, the loss of interest in contracting and the immediate resolution of the contract cumulatively with the effectuation of contractual and extra-contractual civil liability for damages caused.

Clause 13

Settlement of disputes

Any omissions and disputes relating to this public contract that cannot be resolved by mutual agreement between the parties shall be submitted to the **RJA** in force and, in the absence of mutual agreement, to the jurisdiction of the **District Court of Dili, East Timor**.

Clause 14

Applicable law

This contract is governed by the legislation of the Democratic Republic of Timor-Leste, in particular by Decree-Law No. 22/2022 of May 11, on the *Legal Regime for the Procurement of Public Contracts and Related Infractions*.



PART II
TECHNICAL CLAUSES

TERMS OF REFERENCE (ToR) / SPECIFICATION

No	Item	Quantity
1	<p>G-857 Portable Proton Magnetometer (Base and Rover) or Equivalent</p> <p>Resolution: 0.1 nT.</p> <p>Clock: Julian date, accuracy 5 sec. per month.</p> <p>Tuning: Auto or manual, range 20,000 to 90,000 nT.</p> <p>Gradient Tolerance: 1000 nT/meter.</p> <p>Max Sample Rate: 0.3 Hz (1 sample every 3 seconds).</p> <p>Read: Manual, or auto cycle for base station use.</p> <p>Memory: 65,000 field or base station readings.</p> <p>Display: Six-digit display of field/time, three-digit auxiliary display of line number, day.</p> <p>Digital Output: RS-232, switch-selectable to 115200 baud.</p> <p>Digital Input: Will accept external cycle command.</p> <p>Physical: Console: L: 18 cm; W: 27 cm; H: 9 cm; Weight: 2.7 kg (7x10.5x3.5 in; 6 lb).</p> <p>Sensor: DIA: 9 cm; L: 13 cm; Weight: 1.8kg (3.5x5 in; 4 lb).</p> <p>Environmental: Meets specifications within 0° to +40°C (+32° to +105°F).</p> <p>Will operate satisfactorily from -20° to +50°C (-40 to +122°F).</p> <p>Power: 12 Volt rechargeable Gel Cell.</p> <p>Standard Accessories: Sensor, staffs, chest harness, two sets of batteries, battery charger, RS-232 cable, USB Serial adapter, operations manual, applications manual, MagMap software.</p>	2
2	<p>G-857 Base Station Tripod Kit – Aluminium or Equivalent</p> <p>For use when deploying the G-857 Proton Magnetometer as a base station instrument. Includes tripod base and rubber feet for use with staff section that are supplied with the basic G-856 or 857 System.</p>	1
3	<p>G-857 External PWR/SGNL/RS232 Cable or Equivalent</p> <p>External Power/Sensor/Data Cable for G-857. For use in base station mode. Includes connector wired with 6 ft. power cable for attachment to externa; 12V power source, 50 ft. signal cable for attachment to console and sensor and real-time RS-232 data output cable.</p>	1

G-857

Portable Proton Magnetometer



GEOMETRICS
Simplify your search



G-857 and Optional Garmin® GPS

The G-857 provides a reliable, low-cost solution for a variety of magnetic search and mapping applications. Single keystroke operation means the G-857 can be operated by non-technical field personnel and used in teaching environments. The G-857 uses the well-established proton precession method, allowing accurate measurements to be made with virtually no dependence upon variables such as sensor orientation, temperature or location. The unit provides a repeatable absolute total field magnetic reading, traceable to the National Institute of Standards and Technology.

Optional GPS allows data to be stamped with time and lat/long positions. Quickly and easily upload GPX waypoint survey routes to the GPS for in-field navigation using MagMap software.

APPLICATIONS

The G-857 is ideal for mapping geological structures, for mineral exploration, and magnetic search for industrial, environmental or archaeological targets. It has been used extensively for calibrating fluxgate magnetometers that are used for directional drilling applications. Simple operation, large digital data storage capacity, and the inclusion of MagMap data transfer and editing software provides a system well-suited for both teaching and survey applications.

The automated cycling option with long sensor cable and external power connection allows the G-857 to be used as a base station instrument to measure diurnal changes in the Earth's magnetic field. Use MagMap to download the diurnal

correction data and apply it to other land or airborne magnetic data.

The G-857, based on the popular G-856AX (over 2,800 units sold), provides excellent performance and is the lowest-priced professional magnetometer system available. Combined with ease-of-use, user-friendly download/editing software, and readily-available commercial contouring programs, the G-857 represents a complete magnetic surveying package generating high-quality data for budget-conscious users.

FEATURES & BENEFITS

- **Versatile** - Use in surveys or as a magnetometer base station for diurnal corrections.
- **Economically Priced** - Great for academic settings, small companies, or personal hobbies, as well as professionals in the oil and gas industry.
- **Great for Any Application** - Well suited for mapping geological structures, mineral exploration, and search for industrial, environmental, or archaeological targets.
- **Easy to Operate** - Designed for use by experienced and non-skilled personnel.
- **Rugged Weatherproof Construction** - Works in extreme weather and temperatures.
- **Optional Integrated GPS with In-Field Steering** - Now data points can be stamped with GPS position and time.



GEOMETRICS
Simplify your search

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SPECIFICATIONS | G-857 Portable Proton Magnetometer

Resolution: 0.1 nT.

Clock: Julian date, accuracy 5 sec. per month.

Tuning: Auto or manual, range 20,000 to 90,000 nT.

Gradient Tolerance: 1000 nT/meter.

Max Sample Rate: 0.3 Hz (1 sample every 3 seconds).

Read: Manual, or auto cycle for base station use.

Memory: 65,000 field or base station readings.

Display: Six-digit display of field/time, three-digit auxiliary display of line number, day.

Digital Output: RS-232, switch-selectable to 115200 baud.

Digital Input: Will accept external cycle command.

Physical: Console: L: 18 cm; W: 27 cm; H: 9 cm; Weight: 2.7 kg (7x10.5x3.5 in; 6 lb).

Sensor: DIA: 9 cm; L: 13 cm; Weight: 1.8kg (3.5x5 in; 4 lb).

Environmental: Meets specifications within 0° to +40°C (+32° to +105°F).

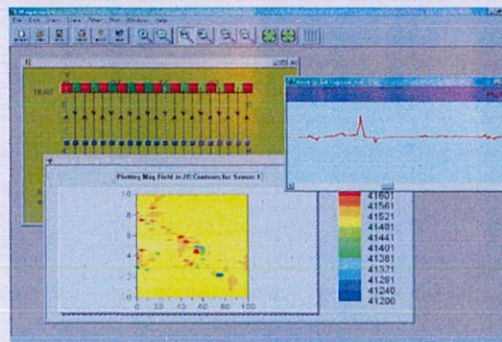
Will operate satisfactorily from -20° to +50°C (-40 to +122°F).

Power: 12 Volt rechargeable Gel Cell.

Standard Accessories: Sensor, staffs, chest harness, two sets of batteries, battery charger, RS-232 cable, USB Serial adapter, operations manual, applications manual, MagMap software.

Options: External power/RS-232/sensor cable, spare rechargeable battery and charger set, tripod kit, Garmin® Oregon 600® GPS.

For more information, please contact us.



MagMap Display Screen

Superior Data Editing Software:

MagMap allows rapid download of data from the G-857 to a PC. Data can be diurnally corrected; profile lines and positions displayed and edited; noisy readings filtered and 2D contour and 3D surface plots made. The GPS wizard allows GPX survey routes with waypoint correction to be generated for more accurate navigation. Data can be exported in a format acceptable to Surfer, Geosoft or Geometrics' MagPick for more sophisticated final maps and analysis. The software runs under MS Windows XP/7/8 or newer.



G-857 Base Station with GPS



Specifications subject to change without notice.

G-857DS (0723)