



HGS (INDIA) LIMITED



HM-1R Field Repairable Marsh Case



HM-1R Repairable Marsh Case - Field repairable version of the HM-1M. Fast and simple cable changes through the use of the re-sealable water tight compression nut and gland.

Features:

- Field serviceable marsh case
- Re-sealable water tight compression nut and gland
- Extensively pressure tested to 50 m
- In-line pull strength in excess of 100/150 kg
- Streamlined design minimizes retrieval snags
- Accommodates a wide range of HG series geophones



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| SPECIFICATIONS of HM-1R Marsh Case | |
|---|--|
| Accepts Geophone Types | HG-24HS, HG-24, HG-4, HG-7 upright geophones |
| Cable OD | 6.35m (0.250"); 7.87 mm (0.310") two core |
| Pressure Rating | Up to 5 bar (73 psi) |
| Cable Pull Strength | Greater than 100 kg (220 lb); 150 kg (330 lb) |
| Diameter | 4.62 cm at widest point (1.82") |
| Length | 21.5 cm including 75mm brass spike (8.46" with 3" spike) |
| Weight (including element) | 240 g apprx. |
| Accessories | |
| <ul style="list-style-type: none">• Spike- Brass/Steel spike, 60mm, 75mm etc.• Junction Case- Moulded, repairable junction case, fully water proof, reliable structure.• "D" Loop- Clip on, Moulded, poly loops, steel loops.• Carrying Hasp-Available in various sizes.• Sealing Parts | |



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HM-8C Geophone Marsh Case



Features:

- Suitable for HG-24HS, HG-24, HG-4 & HG-7 geophones.
- Suitable for all type of single / dual entry glands.
- Cable pull strength approaches cable break strength.
- Suitable for extreme marsh conditions and can withstand up to 5 bar pressure. Oil filled case.
- Easy access for checking / re-cabling / basic unit exchange or cable maintenance.
- Metal parts corrosion resistant.
- Top cable entry.
- Impact modified polymers for moulding.
- Operating Temperature Range: -20°C to +70°C
- Pressure Rating: Up to 5 bar



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| SPECIFICATIONS of HM-8C Marsh Case | |
|---|--|
| Accepts Geophone Types | HG-24HS, HG-24, HG-4, HG-7 upright geophones |
| Cable OD | OD 4.57mm to 7.87 mm single cable entry (0.180 to 0.310") 4.57mm to 5.33mm mm dual cable entry (0.180 to 0.210") |
| Pressure Rating | Up to 5 bar (71 psi) |
| Cable Pull Strength | Approaches cable break strength |
| Diameter | 37 mm at widest point (1.46") |
| Length | 123 mm (4.84") |
| Weight (including element) | 168 g apprx. |
| Accessories | |
| <ul style="list-style-type: none">• Spike- Brass/Steel spike, 60mm, 75mm etc.• Junction Case- Moulded, repairable junction case, fully water proof, reliable structure.• "D" Loop- Clip on, Moulded, poly loops, steel loops.• Carrying Hasp-Available in various sizes.• Sealing Parts | |



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HM-1M Marsh Case



HM-1M Fully Water Blocked Moulded Marsh Case - Over moulded cable entry point creates a watertight seal. Tough engineering polymer construction makes this case suitable for use in the harshest environments. Taper design allows for easy deployment and snag free recovery.

Features:

- Geophone marsh case for use up to 50 m water depth
- Moulded cable entry with water blocked termination to eliminate water ingress and leakage
- 2 part case design with screw-thread and o-ring closure, allowing access for geophone maintenance
- Robust anchorage with pull strength in excess of 100/150 kg
- Tools supplied to ensure correct case closure torque.



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| SPECIFICATIONS of HM-1M Marsh Case | |
|---|--|
| Accepts Geophone Types | HG-24HS, HG-24, HG-4, HG-7 upright geophones |
| Cable OD | 6.35 mm (0.250"); 7.87mm (0.310") two core |
| Pressure Rating | Up to 5 bar (71 psi) |
| Cable Pull Strength | Greater than 100 kg (220 lb); 150 kg (330 lb) |
| Diameter | 4.62 cm at widest point (1.82 in) |
| Length | 21.5 cm including 75mm brass spike (8.46 in. with 3 in. spike) |
| Weight (including element) | 240 g apprx. |
| Accessories | |
| <ul style="list-style-type: none">• Spike- Brass/Steel spike, 60mm, 75mm etc.• Junction Case- Moulded, repairable junction case, fully water proof, reliable structure.• "D" Loop- Clip on, Moulded, poly loops, steel loops.• Carrying Hasp-Available in various sizes.• Sealing Parts | |



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ACCESSORIES

Parts and Spares

1. **Geophone Cables:** 2 Conductor Non-Water/Water Blocked, 3 Conductor Non-Water/Water Blocked and 6 Conductor Non-Water/ Water Blocked. Please see brochure on Leader Cables.
2. **Pick –up loops:** Moulded poly loops, loose poly loops, brass pick-up loops
3. **Spikes:** Brass spikes are available in 60, 75 and 90 & 120mm lengths
4. **Carrying Hasps:** Available in various sizes.
5. **Embossed ID Tags:** Custom numbered aluminium tags for easy string identification.

String Parts

1. **Standard Moulded Tee:** High tensile strength tee for use in all environments. Pressure tested to 50m for extended periods.
2. **Fully Water Blocked T Splice:** Over moulded protective shield ensures water tight seal. The uniquely moulded tee designed internal PCB prevents electrical leakage even in the event of water entry due to migration resulting from cable damage.
3. **HL-9 Cable Junction Case:** Field serviceable watertight splice for 2, 3 or 4 cables. Cable anchoring break strength approaches that of the cable.



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Connectors

1. **HC-4P Connector** - A four contact hermaphroditic field repairable connector that is fully compatible with the Herma IV. Available in 4.57, 5.33, 6.35 mm cable entry versions. Water tight with standard gold plated connections.



2. **HGS-IV Connector** - Gold plated contacts for reduced corrosion and minimal contact resistance, fully compatible with Amphib IV connector. Accommodates 4.57, 5.33, 6.35 mm cable sizes and is suitable for use in most environmental conditions from -15°C to +70°. Rugged construction utilizing impact resistant polymers.



3. **HGS-5515 and HGS-5517 Series of Connectors** – are ideal for marsh or transition zone seismic operations and are available as single male and female connectors. These connector are available & recommended in screw-fit options. The 5515 and 5517 connectors are available on customer specified lead in lengths on .180" .210" or .250", dry or water blocked cables. Moulded or brass pick up loop options are also available. The 5517 connector array consists of a 5515 male connector and a 5517 female inline takeout. These connectors can be installed at customer specified intervals.

5515-5517 screw fit connector array



5515 Male screw fit connector



Version 1.1