Reed Switch Probe

The Geosense® Reed Switch Probe is used to determine the location of magnetic sensors in magnetic settlement systems









Reed Switch Probe

Overview





The Geosense® Reed Switch Probe is used to determine the location of magnetic sensors in magnetic settlement systems.

When the reed switch passes through a magnetic field, it closes, completing a circuit and a buzzer is activated.

The elevation of the magnet target is read directly from the tape.

APPLICATIONS

Tunnels including NATM
Mines
Dams
Bridge Abutments
Retaining Walls
Rock Formations
Foundations
EE ATI IDES

Retaining Walls
Rock Formations
Foundations
FEATURES
Simple & robust construction
Replaces system anchor
No extra borehole required
Automatic data acquisition possible
250kN capacity
Range ±10mm
50mm drilling diameter

Reed Switch Probe

Specifications

GENERAL

Probe diameter16 mmProbe length150 mmProbe materialAustenitic stainless steelTape typeSteel mm markingsTape width11.5 mmTape coatingPolyethyleneTape lengths30, 50, 100, 150, 200 metres*Reel typePolypropyleneReel diameter230 mmAudible Indicator88 dB(A) buzzerVisual indicatorRed LEDPower9 volt PP3 batterySystem precision± 3 to 5mm		
Probe material Austenitic stainless steel Steel mm markings Tape type Steel mm markings Tape width 11.5 mm Tape coating Polyethylene Tape lengths 30, 50, 100, 150, 200 metres* Reel type Polypropylene Reel diameter 230 mm Audible Indicator 88 dB(A) buzzer Visual indicator Red LED Power 9 volt PP3 battery System precision Austenitic stainless steel Austenitic stainless steel Steel mm markings Steel mm markings Steel mm markings Steel mm markings Austenitic stainless steel Steel mm markings Steel mm markings Steel mm markings Steel mm markings Austenitic stainless steel Austenitic s	Probe diameter	16 mm
Tape typeSteel mm markingsTape width11.5 mmTape coatingPolyethyleneTape lengths30, 50, 100, 150, 200 metres*Reel typePolypropyleneReel diameter230 mmAudible Indicator88 dB(A) buzzerVisual indicatorRed LEDPower9 volt PP3 batterySystem precision± 3 to 5mm	Probe length	150 mm
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System precision ± 3 to 5mm	Visual indicator	Red LED
	Power	9 volt PP3 battery
* special lengths available on request	System precision	± 3 to 5mm
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