

MEMS Readout

Applications

The Model RB-500 MEMS Readout is designed to read...

- **GEOKON®** Model 6100 Series MEMS sensors



• Model RB-500 MEMS Readout.



• Close-up of Model RB-500 MEMS Readout.

Operating Principle

The Model RB-500 MEMS (Micro Electro Mechanical Sensor) Readout is a portable battery powered instrument for reading the voltage output from **GEOKON** Model 6100 Series MEMS sensors.

The RB-500 incorporates a 12 volt, 1.2 Ahr lead acid battery, a 4½ digit liquid crystal display (LCD), a power on/off switch, an A/B selector switch, a battery charger circuit, an AC adaptor connector, and an Input Junction Box Assembly.

The RB-500 supplies +12 V power to the MEMS sensor and displays the output in Volts which is proportional to the angle of inclination.

Technical Specifications

Range	±4.000 Volts
Display Range	±1.999 Volts
Resolution	1 mV
Accuracy	0.06% F.S.
Power Requirements	12 VDC @ 50 mA
Input Connection	Bulkhead: Bendix PT02A-12-10S Mating: Bendix PY06A-12-10P (SR)
Charger Connection	Bulkhead: Lemo EGG OK 303 CNL (N&W) Mating: Lemo FGG OK 303 CNA C/3.7
Operating Temperature	-30 to +50°C
L × W × H	102 × 165 × 232 mm

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