

MODEL RB-500



Model RB-500 MEMS Readout.

APPLICATIONS

Readout is designed to read:

- GEOKON Model 6100 Series MEMS sensors

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	±9.999 Volts
Display Range	±9.999 Volts
Resolution	100 µV
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 °C to +50 °C
L × W × H	102 × 165 × 232 mm

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