

Model RB-500 MEMS Readout Box

The Model RB-500 MEMS (Micro Electro Mechanical Sensor) Readout Box is a portable battery powered instrument for reading the voltage output from the 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 +12V power to the MEMS sensor and displays the output in Volts which is proportional to the angle of inclination.



Specifications

Range	±4.000 Volts
Display Range	±1.999 Volts
Resolution	1 mV
Accuracy	0.02% F.S.
Power Requirements	12 VDC @ 50 mA
Display	4½ digit LCD
Input Connection	Bulkhead: Bendix PTO2A-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	100 × 165 × 232 mm