



Features

- Small, light, rugged and low power
- 6 seismic sensor channels
- Multiple logical channels per sensor
- Geophone, broadband, force balance or piezoelectric digitizer interface
- Compatible with Smart seismic sensors
- Wide dynamic range (24-bit oversampled data)
- Software selectable sampling rates
- Continuous and/or triggered recording
- Communications via RS232, RS485, FSK or Ethernet for telemetry and/or setup
- Local data storage on USB2.0 device for off-line retrieval and processing
- HTML health monitors, via Ethernet device running a web browser
- Geophone calibration functions
- Built-in GPS

SPECIFICATIONS

ADC CHARACTERISTICS

Seismic Channels	6
Sampling Rates ¹	3 to 48000 Hz
Bandwidth	0.42f _s Hz
Dynamic Range ² :	
@ 48000 Hz	117 dB
@ 6000 Hz	126 dB
@ 50 Hz	147 dB
Signal to Distortion	110 dB

ELECTRICAL

Supply Voltage	12 Vdc
Power Consumption ³	1.8 to 3.5 W

PHYSICAL

Mass	3 kg
Dimensions:	
Height	140 mm
Width	200 mm
Depth	65 mm
Environment	IP67
Temperature ⁴ :	
Operating	-20 to 60 °C
Storage	-40 to 65 °C

EXTERNAL INTERFACES

Ethernet (100 Base T) for setup and telemetry
 Serial port (RS232, RS485, FSK) for telemetry
 Serial port (RS485) for satellite digitizers
 USB2.0 full speed for external storage media
 GPS antenna
 DC power
 Sensor (geophone, broadband, piezoelectric, FBA)

NOTES:

- ¹ Software selectable (3, 5, 10, 15, 20, 25, 50, 75, 100,125, 150, 200, 250, 300, 375, 500, 750, 1000, 1500, 3000, 6000, 12000, 24000, 48000) Hz
- ² Dynamic range quoted for geophone ADC; dependant on sampling rate due to oversampling
- ³ Dependant on specific configuration
- ⁴ For ISSI components only – not including external hard disk etc.

QUALITY MANAGEMENT
Certificate

Voluntary participation in regular monitoring according to ISO 9001

