



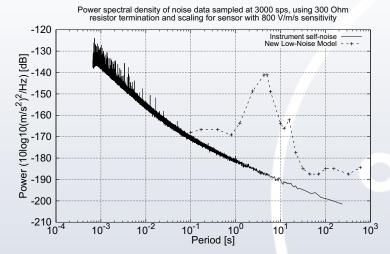


Key Features

- Small, lightweight, 35mm DIN rail mountable enclosure with UL94 V0 flame retardant rating
- Low power: 0.38 Watt per channel¹
- 4 or 8 seismic sensor channels
- Geophone, Broadband, Force Balance or Piezoelectric digitizer
- Timing and data over single CAT5 cable (if using IMS WoE switch)
- Multi-station Networked or Standalone operating modes
- Compatible with Smart Seismic Sensors (self-configuring)
- Wide dynamic range (24-bit oversample data)
- Software selectable sampling rates
- Continuous streaming of data (triggered recording with netSP)
- Communications (Waveforms over Ethernet) via 10/100Base-TX Ethernet or fibre (using external media converter)
- Geophone state-of-health coil measurements
- Remotely upgradable firmware via netSP and/or Synapse
- On-board temperature measurement and readout

Specifications

ADC Characteristics Seismic Sensor Channels (analogue, differential)4 or 8 Sampling Rates²1 to 192000 sps
Bandwidth³ 0 - 48000 Hz
Dynamic Range ⁴ at 48000 sps



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IMS reserves the right to update, without notice, any product details in this document, including

specifications, appearance and performance.

Refer to http://www.imseismology.org/notices for important information about equipment installation and warranty conditions, as well as the most recent product specifications.

Electrical	
Cupply	١

Supply Voltage	9 - 18 VDC
Power Consumption ¹	3 W

Physical

Mass420	g

Dimensions:

Height	180 mm
Width	52 mm
Depth	165 mm

Environment^o

Operating	Temperature	10 - /0°C
Humidity	20 - 80 % relative hum	idity, non-condensing

External Interfaces

- Ethernet (10/100Base-TX) with Auto-MDIX (auto-crossover)
- RS-232 2-wire port for time synchronisation
- DC power and feed-through
- 4 or 8 Smart seismic sensor channels (geophone, broadband, piezoelectric and FBA)
- 6 user LEDs
- 2 User push buttons

NOTES:

¹Average power consumption measured on 8 channel version, at 48000 sps, continuously streaming data over 100Base-TX interface.

²Software selectable: 1, 3, 5, 10, 20, 50, 75, 100, 125, 150, 200, 250, 300, 500, 750, 1000, 1500, 3000, 6000, 12000, 24000, 48000, 96000, 192000 sps.

 3 Bandwidth is related to the sampling frequency $f_{\rm s}$.

Dynamic range dependent on sampling rate due to oversampling.

⁵This device is designed to be operated in an enclosed environment. To avoid voiding of equipment warranty, the equipment must be housed in an external enclosure. The external enclosure should have an lngress Protection Rating of at least IP65. Suitable, customised, pre-wired enclosures are available from IMS upon request.

findividually certified units with wider operating ranges available upon request - please contact IMS for confirmation before order as prices and lead times may vary.