

Technical specifications OTM-XB

RECORDING CHARACTERISTICS

Sampling frequency: 38Hz to 100 kHz
Sampling time: 10 microseconds (μ s) to 26 milliseconds (ms)
Recording time: 10 milliseconds (ms) to 30 minutes
A/D conversion: 16 bits
Local storage capacity: 64GB

EXTERNAL TRIGGER CAPABILITY

Works with any analog input
AC or DC signals
Rising or falling edges
Works in noisy environments

MULTIFUNCTION ANALOG INPUTS (16 bits)

Number available: 5
Resolution: 16 bits A/D conversion
Input Voltage: +/- 10 V AC (compatible with all transducers types)
Frequency: DC to 200 kHz
Accuracy: +/- 0.3 mV

ACCELEROMETER INPUTS

Number available: 3
Accelerometer type: ICP
Resolution: 16 bits A/D converter
Ranges: $\pm 50g$, $\pm 500g$, $\pm 1000g$
Frequency: 1 to 20 000 Hz
Signal to noise ratio: better than 80 dB

COMMAND OUTPUTS

Number available: 3
Type: solid state, opto-isolated
Voltage: 2-200 VDC
Maximum load current: 3.5 Amps
Turn-on time: 75 μ s maximum
Turn-off time: 750 μ s maximum
Independently controlled turn-on and turn-off timing

REMOTE ACCESS

Continuous and complete control of data, test plans, software
Able to perform tests remotely
Easy access to recorded data via your network
Completely automated and scheduled tasks.

Zensol

ETHERNET PORT

Bandwidth: 10/100 Mb/s

Remote control and retrieval of data

USB PORT

Bandwidth: 12/480 Mb/s

OPTIONAL ACCESSORIES

Accelerometers

Current probes

Local memory expansion

USB memory card

USB Bluetooth module

USB Wi-Fi module

BNC to 10-32 cables (3 feet)

BNC to BNC extensions (25 and 50 feet)

Cable reel with four extensions of 50 feet

Accelerometer mounting bases

Glue

Watertight case

GENERAL

Size: 19" x 3.5" x 18" (48.2 x 8.8 x 45.7 cm)

Weight: 13.2 lb (6 kg)

Power supply: 100-240V AC 50/60 Hz +/-10%

Operating temperature range: 0°C à 50°C (32°F à 122°F)

Storage temperature range: -20°C à 70°C (-4°F à 158°F)

Humidity: 0-95% non-condensing