



Features

of the *Portable*

LapCAT III

PRODUCTIVITY FEATURES

Eight BNC signal conditioning inputs, constant current, 2-4 mA, 20-24 VDC nominal.
Lightweight and Small: - 6.5 lbs - 3 Kg. 15" x 10" x 2.5" - 380 mm x 254 mm x 64 mm.
Portable - 110-240 VAC, 50-60 Hz, selectable line input.
9 - 16 VDC Power Option - Includes AC Power Brick
Complete with WinCAT Level 1 Time Domain Software.
ProCAT spectrum analyzer may be added to 8 channel LapCAT III - provides both
time domain analysis of data up to 10 KHz bandwidth and
spectrum analysis from 0.7 Hz to 10 KHz.
AA Filters: Chebyshev, 8 channels parallel (included with ProCAT option).

SPECIFIC FEATURES

Sampling Rate: 1 MHz aggregate multiplexed.
Standard unit is 8 channels - may be operated in 1, 2, 4, 8, channel modes.
16 channels can be provided including signal conditioning and 16 BNC inputs.
13 recording data block durations, from 0.132 sec to 1320 sec, each expandable to 128 times.
6 full scale input ranges, user selected:
0.4, 1, 2, 4, 10, and 20 V full scale, 0VDC at half scale.
With 10 mV/g sensor, this equals:
40g, 100g, 200g, 400g, 1000g, and 2000g.
Digital trigger from signal in engineering units; +/- slope or window modes.
Single Event, Continuous, Short Memory and Streaming to HD operating modes.
Single Event mode captures amplitude triggered events.
Continuous mode displays successive triggered events as they take place.
Short memory mode uses 2048 bytes of memory.
Streaming to HD mode saves multiple amplitude triggered records
for environment characterization or averaged and statistical SRSs.
Hardware calibration is done once at factory - certificate provided.
Throughput calibrated to better than 1.5% of full scale.
Copy analysis screens to Clipboard in BMP format for electronic export.