Dash 10 Specifications

Input Type	Single-ended isolated
User Input Connector	Guarded Binding Posts
Input Range	50 mVfs to 500 Vfs
Operating Modes	Peak-to-peak or RMS
Input Coupling	DC
Input Impedance	1 Megohm
Input Isolation	1500 VACrms for 60 sec., channel to channel, channel to chassis
Maximum Input	250 Vrms, 500 VDC, 500 Vpeak
CMR (IMR)	Greater than 95 dB @ 60 Hz
Common Mode Voltage	250 Vrms
Frequency Response	-1dB at 12 kHz, -2 dB at 18 kHz, -3 dB at 22 kHz
A/D Sample Rate	200 kHz filter disabled
Filter Type	2 pole 12 dB/octave
Filter Response	-3dB at 8.75 Hz
Chart Speed Accuracy	± 2%
Zero Suppression Range	± 500 V or ± 5V on mV ranges
Zero Suppression Accuracy	± 2% of zero suppression setting
Zero Position Accuracy	± 0.2%
Battery Charge Time	19 Hours with power off
Battery Life	30 minutes nominal
Operating Temperature	0 degrees C to 45 degrees C
Storage Temperature	-20 degrees C to 80 degrees C
Operational Relative Humidity	0% to 95% RH non-condensing
Operational Vibration	2G
Weight	32 lbs. without battery, 36 lbs with battery
Timer Speeds	0.01 to 0.09 (0.01 second increments) 0.1 to 0.9 (0.1 sec. increments); 1.0 to 9.0 (1.0 sec. increments); 10.0 to 60.0 (5.0 second increments)
Internal Event Markers	10 interchannel plus 1 system
Internal Annotation Buffers	Thirty 128-character buffers, One 28-character system log buffer, One 128-character on-demand buffer
Host Interfaces	RS-232, Xon/Xoff or Hardwire; GPIB standard
Baud Rate	300, 600, 1200, 2400, 4800, 9600, 19200
GPIB Address	1 to 31
Data Capture Memory	6 Megasamples (optional - 10 channels)
Stacked Captures	2-8 captures
Data Capture Archive to/from Floppy Time	22 KBytes per second
Sample Rates	250 kHz, 125 kHz, 50 kHz, 25 kHz, 10 kHz, 5 kHz, 2,5 kHz, 1 kHz, 500 Hz, 250 Hz, 100 Hz, 50 Hz, 25 Hz, 10 Hz, 5 Hz
Playback Magnification	x1 - x25 (increments of 1); x1/2 - x1/25 (in steps of 1/x where x is an integer between 2 and 25)
Cold Start Drift	2.0% in 30 minutes
Intrinsic Noise	less than 0.5 mm
Baseline Offset	less than 0.2 mm
Calibration Accuracy	± 0.8%
RMS Accuracy	± 5% for ranges less than 10VFS ± 2% for ranges greater than 10VFS
RMS Crest Factor	7% at crest factor of 10
Non-linearity	< 0.1%