

Astro-Med, Inc. DASH18

Color display:

Type: 15.4" Active Matrix Color LCD (TFT)

Resolution: 1280 x 1024

Touch: Full screen, resistive

Functions: User Interface with touch-based icons and menus; Real-time Waveform monitoring; Review previous waveform records while recording; Overlay numeric values in Engineering Units

Signal Modules:

Maximum Modules: 3

Maximum Waveforms: 18

Standard Event Inputs:

Number: 8 TTL with 9-pin, d-shell connector

Real-time Signal Processing:

Low Pass Filter: Stops from 10Hz to 10kHz

High Pass Filter: Starts from .1Hz to 100Hz

Notch Filter: 50 or 60Hz Center

RMS: Time constant selectable from .02 to 2 seconds

Frequency: Based on TEV, 5Hz to 10kHz

Cross Channel: Ratio, Product (Power), Sum, Difference, Multiplication, Division, Phase

Real-time Signal Testing:

Test Types: Test include window, slope/level, slew and event pattern

Outputs: Result available for alarms, trigger, abort and external TTL

Recording:

Recording Method: Internal disk drive 9GB

Sample Rate: .1 samples/second to 100,000 samples/second each channel (all channels)

Total Capacity: Over 4 billion samples

Time Stamp: Time and Date saved with data

Header: Information on units, range, sample rates, etc. saved with data

Events: All captured with waveforms

Auto Arm: Allows automatic stacking of captures

Auto Playback: Yes

General Specifications:

Number of Channels: 6 (per module)

Isolation: 250Vrms

Bandwidth: 12kHz (-3dB)

Input Coupling: DC

Single-ended Voltage:

Input Type: Isolated, single-ended

Max. Rated Input: +/-250Vrms

Specified Ranges: 40 to 400 vfs; 4 to 40 Vfs; .4 to 4 Vfs

Differential Voltage Measurements:

Input Type: Isolated, differential

Absolute Max Input: +/-40V differential

Measuring Ranges: 200 to 1600mVfs; 50 to 500mVfs; 5 to 50mVfs

Bridge Measurements:

Measuring Ranges: 200 to 1600mVfs; 50 to 500mVfs; 5 to 50mVfs

Thermocouple Measurements:

Specified Ranges: Type J: 0 to 760 degrees C

Type K: 0 to 1370 degrees C

Type T: -160 to 400 degrees C
Type E: -100 to 1000 degrees C

Removable Drive:
Type: 250MB Zip Drive