

DataChart[®] 1200 Specifications

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Specifications

MEASUREMENT	
Input Signals	<p>DC Voltage: $\pm 100\text{mV}$ to $\pm 100\text{V}$. DC Current: 0 - 1mA, 0 - 100mA, 0 - 1Amp, 4 to 20mA. AC Voltage: 0 - 1V, 0 - 260V 0 - 600V. AC Current: 0 - 200mA, 0 - 1Amp, 0 - 5Amp. Thermocouple: J, K, T, E. RTD: 100 ohm Pt 385. Pulse: 5VTTL, 3 - 12V isolated. Temp/Humidity: 0 to 50° C, 10 to 90% RH Input Accuracy.</p>
Input Accuracy	<p>DC Voltage/Current: $\pm 0.5\%$ of analog full scale. AC Voltage/Current: 0.5% true RMS.</p>
Input Resolution	0.004% of full scale.
Channel Capacity	1 or 2 direct.
Scan Rate	Inputs scanned every 10 mSec (100 measurements/channel/second).
Isolation Voltage	300 Vdc (Input to Input; Input to Ground).
Common Mode Voltage	250 Vdc or peak Vac.
Common Mode Noise Rejection	>100 dB, 50/60 Hz.
Normal Mode Noise Rejection	>50 dB at 50/60 Hz.

RECORDING	
Recording Rates	16 User selectable rates: Max: 100 samples per second . Min: 1 sample every 10 minutes.
Format	Proprietary file structure. User file naming.
Storage Capacity	PCMCIA Static RAM card - approximately 1,000,000 samples for 1 Megabyte card.
File types	2 channel data files, Alarm file, Configuration file, Multiple file names on a single PCMCIA memory card.
DISPLAY TYPE	
Display Type	3 inch Backlit Twisted Nematic Liquid Crystal Display.
Resolution	160 (H) X 80 (V) pixels. Display area 1.5 x 2.9 inches (5.8 x 10.9 cm).
Display Modes	Horizontal graphics trending with real time digital values.
Display Update Rate	Data display update rate selectable from 10 mSec to 10 minutes.
Display Windows	Time/Date, graphic trending, storage status, system status, alarm status.
FEATURES	
Operator Interface	Membrane keypad for navigating the simple on screen pop up menus.
Buffer Browse	Internal 16k buffer (RAM) enables real time browsing of historic chart data independent of recorded data.
File Browse	Any data file on PCMCIA card can be browsed even while the unit is recording. File directory allows selection of different file names.
POWER	
Power Requirements	Standard: 105 or 230 Vac \pm 15%, 50/60 Hz, 4 watts max. Optional: 24 Vdc \pm 20% @ 4 watts max. 12 Vdc \pm 20% @ 4 watts max.
Power Fail Protection	Programmed parameters stored in non-volatile memory. Clock battery backed. Retention time without power >12 months.
ENVIRONMENTAL	
Operating Temperature	-10° to 50° C.
Operating Humidity	10% to 90% RH.
INPUT/OUTPUT OPTIONS	
Alarm Contacts	2 isolated form C; 3Amps @ 250 Vac or 26 Vdc.

Remote Control Inputs	1 isolated input; User selectable as dry contact or 5 to 12 Vdc activated. Configurable for start/stop record, record speed.
Communications	RS232 - ESD protected bi-directional with full hand shaking. Supports Modem. Serial Protocol - ASCII. Unit may be remotely configured.

Dimensions

[Contact your local Distributor](#)

