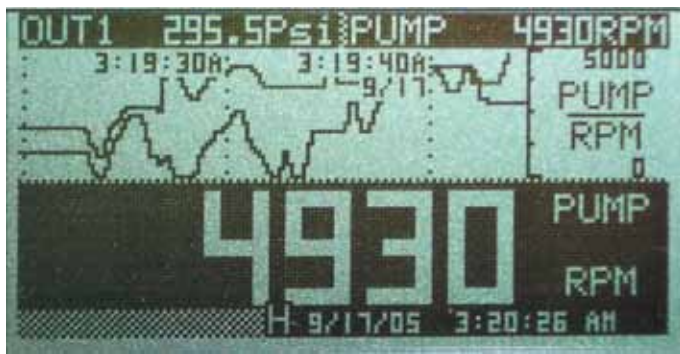
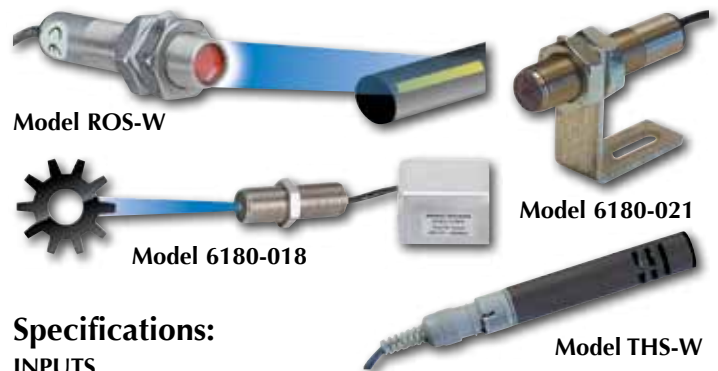


# Process Recorders



## Features:

- Paperless recorder offer 2 universally configurable isolated inputs for measuring DC voltage, DC current, thermocouples, RTDs as well as frequency and pulse inputs
- Four internal alarm setpoints can be programmed to activate the 2 SPDT relay outputs
- Data is displayed in real time graphic or digital format on a high reflective twisted nematic LCD display with LED backlight
- Maximum sample storage rate of 100 samples per second can be set for both channels allowing for capture of short duration process signal anomalies
- CompactFlash™ cards up to 2 GB in size can be used
- Data can be reviewed, printed and exported using the optional Navigator software
- Power is supplied via AC wall transformer or via optional internal rechargeable NiMH battery pack
- Isolated input power of 12-24 VDC is also available for use with instrument power supplies or external batteries
- A front accessible USB port is available
- Real time clock and internal RAM have battery back up to preserve data in the event of a power loss
- Can be used in conjunction with many of Monarch's speed measurement sensors



## Specifications:

### INPUTS

- DC Voltage Range: 0-250mV, 0-1.25V, 0-2.5V; 0-5V; 0-12.5V, 0-25V
- Accuracy: 0.1% rdg.
- Resolution: 0.025% f.s.
- DC Current Range: 0-20mA; 4-20mA; 0-50mA
- Accuracy: 0.1% rdg. excluding 250Ω external shunt
- Resolution: 0.025% f.s.
- Thermocouple Range: J: -100 to 760°C (-148 to 1400°F); K: -100 to 1000°C (-148 to 1830°F); T: -100 to 400°C (-148 to 750°F); E: -80 to 400°C (-112 to 750°F)
- Accuracy: 0.3% f.s.; Ambient Temp. Sensor Accuracy: ±1.5°C
- RTD Range: 100Ω Pt 385: -100 to 750°C (-148 to 1380°F); 100Ω Pt 392: -100 to 750°C (-148 to 1380°F)
- Accuracy: 0.3% f.s.
- Resolution: 0.1°C
- Int. Current Source: 1mA
- Frequency/Speed Range: 0 to 10,000Hz; 0-600,000 rpm
- Accuracy: ±1 Hz; ±1 rpm < 9,999 rpm, ±10 rpm ≥ 9,999 rpm
- Input: Low < 0.1 VDC; High >3.0 <12.0 VDC
- Pulse Width: 10µs min.
- ### OUTPUTS
- Number: 2 universal, user selectable  
2 outputs 5VDC @ 50mA to power external sensors
- Isolation: 300VAC/DC channel input to chassis ground
- ### GENERAL
- Input Impedance: >100kΩ
- Measurement Rate: Up to 100 samples/sec per channel
- Media: CompactFlash™ to 2GB
- Display: LCD graphics, 160 x 80 pixels, black FTSN w/ white LED backlight
- Relay Output: Two alarm outputs; 30V 0.5A form A relays
- Opto-isolated Input: One input, 5 to 12 VDC activation @ 10mA
- Power Supply: 90-264 VAC 50/60 Hz
- Dimensions: 96 x 96 (1/4 DIN) x 152mm (3.78 x 3.78 x 6")

Model	Description	Price
DC1250-S00	Paperless Recorder	\$878
DC1250-S10	Recorder, Rechargeable Battery	\$1024
DC1250-S01	Recorder, USB Port	\$973
DC1250-S11	Recorder, Rech. Battery & USB Port	\$1266
NAVIGATOR	Windows-compatible Software	\$179
THS-W	Temp/RH Sensor w/ 8' cable	\$179
6180-018	Magnetic Trigger Sensor w/ 8' cable	\$379
6180-021	Infrared Sensor w/ 8' cable	\$361