



# DATA MANAGER 500

programmable controller with display

## PRODUCT FEATURES

- Real-time process monitoring and control
- Instantaneous flow monitoring
- Pump control with high/low set points
- 4-20 analog input
- External or battery powered



**High-definition accuracy and resolution**

**Real-time display/control in one device**

**The features you requested at a price that makes sense**

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## PRODUCT FEATURES AND SPECIFICATIONS

- Rugged wall-mount
- Programmable controller
- Easy to program
- Large keypad for gloved use
- High 16-bit resolution ( $\pm 0.002\%$  FS)
- Real-time display
- High/low alarm/relay outputs
- User replaceable batteries
- External power option
- SCADA compatible, without the cost
- 4-20mA input channel

## HIGH DEFINITION FEATURE

### Dynotek Data Manager Products

The 16 Bit Resolution inherent in Dynotek's Data Manager improves overall accuracy of measurements by providing substantially better resolution of readings regardless of the underlying accuracy of the sensor input.

Analog sensors are essentially continuous in output, with infinite resolution possible. In converting the data from analog to digital, much of the stated accuracy can be lost

This means that with a 1000 psi pressure transducer, the most accurately that actual water depths can be read with 12 bit is +/- 0.5 ft. With 16 bit resolution, changes in depth of as little as 0.04 ft can be measured. This level of accuracy can be critical in many monitoring and testing operations.

Specifications subject to revision r2001

<b>Warranty</b>	1 year
<b>Device Material</b>	Injected plastic
<b>Weight</b>	4.5 lbs.
<b>Dimensions</b>	6.0" (w) X 7.0 (h) X 3.75" (t)
<b>Temperature Range (Op)</b>	-25C to +70C (-13F to 158F)
<b>Power</b>	
External drop to 12-18 VDC	Y
Int. Power - Lithium	Y
Loop Power - Alkaline	Y
User Replaceable	Y
<b>Probe Input Electrical</b>	
Analog	4-20mA
Channels	1 analog
Resolution	16-bit resolution
Accuracy	$\pm 0.002\%$ FS
<b>Probe Communication</b>	
Loop Source Voltage	18 VDC
SCADA	SCADA compatible (1 channel)
<b>External Control Capability</b>	
Alarms/Relay	1
Contact Rating	0.3A @ 125VAC, 1A @ 30 VDC
<b>User Interfaces</b>	
Keypad	Y
Display	1.92" (w) X 0.8" (h)