MONITA D SERIES

Data Logging

For Data Logging of Pulse Counts

The **Monita D Series** Data Logger has been designed as the ideal large capacity data logging solution for the collection and storage of meter count intervals. The Monita has a number of industry leading features including, extra large capacity, ability to collect up to 100 pulses per second and infra red communications and up to 4 inputs.

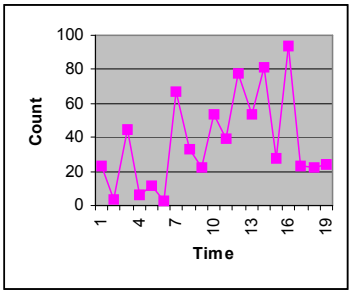
OPERATION

The ***Monita*** is simply connected up to four (4) pulse cable meters. The Monita is programmed via the Infra Red Cable and PC software. The Data Monita record counts over time, so that the counts or readings collected depend on the logging interval selected, which range from 1 second to 65,536 seconds (18 hours). The logger operates in either 8 bit mode (256 pulses per interval) or 16 bit mode (65,536 pulses per interval). In 16 bit mode the maximum number of records that can be stored is 1 million.

The Monita can be programmed to start at either a pre programmed time, immediately or with a magnetic swipe.

FEATURES

- Rugged purpose built product
- Up to 4 meter inputs
- Waterproof to 1 metre. (I.P. 67)
- Up to a 10 Year battery life*
- Up to Maximum 2 million records



APPLICATIONS

- Profiling Usage
- Data Collection

If remote data transfer is required please see the Monita R Series Brochure.

Monatec Pty Ltd 5 Cochrane Street MITCHAM 3132, Victoria Australia
Telephone +61 3 9874 2480 Fax +61 3 9874 4561 Email: info@monatec.com
www.monatec.com

TECHNICAL SPECIFICATION

<table>
<tr><td rowspan="4">Meter Inputs</td><td rowspan="2">Unpowered – Isolated Voltage Free Inputs</td><td>Up to 4 inputs in Short Cable Mode (Software Selectable)
Fast switching Mode Lower noise immunity
Max cable input cable length 4 metres.

Switch Type — Voltage Free switch with Normally Open (NO) contacts with minimal debounce
Min pulse width (N/O) — 2mS
Min Pulse Separation — 9mS
Input impedance — >10KOhms
Max Input Frequency — 90Hz @20% Positive Duty Cycle
55Hz @50% Positive Duty Cycle
Edge Detection-Open to Closed(NO) or Closed to Open(NC)</td></tr>
<tr><td>Up to 4 Inputs in Long Cable Mode (Software selectable)
Slow switching Mode Higher noise immunity
Max cable length 10 meters.

Switch Type — Voltage Free switch with Normally Open (NO) contacts with minimal debounce
Min pulse width (N/O) — 10ms
Min Pulse Separation — 50mS
Input impedance — >10KOhms
Max Input Frequency — 15Hz @20% Positive Duty Cycle
10Hz @50% Positive Duty Cycle
Edge Detection-Open to Closed(NO) or Closed to Open(NC)</td></tr>
<tr><td>Wetting Current</td><td>Instantaneous Pulse Switch Current at Make 270µA
Continuous Pulse Switch Current During Make 2.9µA
Instantaneous Pulse Input Impedance at Make 10K Ohm
Continuous Pulse Input Impedance During Make 910K Ohm
Input Circuit Capacitance 10nF or 57µF
DC Wetting Voltage Applied to Pulse Switch 2.7V</td></tr>
<tr><td>Powered</td><td>1 Input only – With this used only upto 3 are available for Un-powered inputs
Input voltage range 2v7 to 24Volts</td></tr>
<tr><td>Communications</td><td>Serial</td><td>Proprietary infrared interface at 115kbps for connection to Laptop PC , desktop PC or PDA For downloads or logger reconfiguration. Requires Infra Red Cable – Part Number MTIRC10

Output file can be either CSV or Tab delimited.</td></tr>
<tr><td rowspan="5">Logging Features</td><td>Memory</td><td>0, 100K or 2 Million Records</td></tr>
<tr><td>Frequency</td><td>1 to 65,536 seconds</td></tr>
<tr><td>Device ID</td><td>Up to 20 Alphanumeric characters/ Factory set 10 digit numeric value</td></tr>
<tr><td>Input ID</td><td>Each Input can have an alphanumeric value of up to 20 characters</td></tr>
<tr><td>Clock</td><td>On board 24 hour real time clock with date facility</td></tr>
</table>

Physical	Dimensions	88 mm Ø x 57 mm – A Size Battery pack 88mm Ø x 97 mm – B Size Battery Pack 88mm Ø x 137 mm – C Size Battery Pack 88mm Ø x 177 mm – D Size Battery PAck	
	Construction	Base & Sides	U.V. Stabilized 20% Glass Filled Nylon
		Top	U.V. Stabilized Polycarbonate
		Cap	U.V. Stabilized Polyurethane (Santoprene)
	Weight	470 gms	
	Operating Temperature	-20 ºC to +75ºC for all logger functions -20º C to +55ºC for GSM functions	
	Environmental Protection	I.P 67 Submersible to 1 metre	
	Internal Power	Lithium –Ion cell operational for upto 5 years. Low battery alarm in data packet at call in.	
Tamper		Case open detection and cable cut detection in Logging File	

* Battery Life is a function of the temperature and logging intervals.

Monatec Pty Ltd 5 Cochrane Street MITCHAM 3132, Victoria Australia
Telephone +61 3 9874 2480 Fax +61 3 9874 4561 Email: info@monatec.com
www.monatec.com