MOBILTEX

FloPath® PFL1

PORTABLE PRESSURE/FLOW DATA LOGGER ENGINEERED FOR EXTREME CONDITIONS

FloPath
a MOBILTEX brand



Product may not ship exactly as shown

ROBUST AND COST EFFECTIVE DATA LOGGER ENGINEERED TO LAST — WATERPROOF AND SUBMERSIBLE WITH LONG-LIFE BATTERY POWER.

The completely updated PFL1 range of data loggers is based on the field-proven, rugged design of the PTRI/TRI model. The PFL1 utilizes our unique data recording architecture that allows the user to monitor pressure/flow inputs in a multitude of configurations providing ultimate flexibility to meet specific application requirements.

The FloPath PFL1 stores data in non-volatile memory organized into data files. Each data file is an independent data logger with its own start/stop time, sample rate and logging rate. More than one data file can record different types of data for the same input channel.

Different types of data include Average, Instantaneous, Minimum, Maximum etc. The memory register size is designed to be ready to accommodate overflows associated with high pulse rates on Flow inputs.

Pressure measurement accuracy is optimized using multi point calibration. Logged data can be re-calibrated before, during or after the recording by recalibrating the pressure transducer to the logger.

Local communications via fast non-contact IrDA communications link (115,200 baud). The logger firmware can also be upgraded in the field via the IrDA communications link.

FEATURES OF FLOPATH PFL1

- 2 available channels (1 Flow/1 Pressure) with Internal and external pressure sensor configs available
- Flow channel logs forward & reverse flow for flowmeters capable of measuring and outputting bi-directional signals
- 2 MB Flash non-volatile memory organized into 6 separate data files - 60000 reading each and 2 separate data files - 250000 readings each
- Data is retained for 10 years if battery power fails
- Configurable Sampling Rate: 1 second to 15 minutes
  Configurable Logging Rate: 5 seconds to 24 hours
- Logged data types: Average, Instantaneous, Minimum, Maximum
- Flow Logging Modes: Pulse, Event, Pulse Interval Timing
- Communications: IrDA – Baud Rate of 115,200 Baud
- Completely waterproof and submersible (IP68)
- Battery life > 5 years under normal operation
- Includes FPLog Lite PC software for programming, downloading & graphing



FLOPATH PFL1 APPLICATIONS:

- LEAKAGE FLOW-MONITORING
- FIRE FLOW TESTING / C-FACTOR TESTING
- PRESSURE/PRV MONITORING
- HYDRAULIC NETWORK ANALYSIS
- CRITICAL WATER USER MONITORING
- PIPELINE CONSTRUCTION PRESSURE LOG
- PRESSURE SURGE DETECTION
- MINIMUM NIGHT FLOW ANALYSIS
- LOW PRESSURE INVESTIGATIONS

PFL1 SPECIFICATIONS

LOGGING | COMMUNICATIONS | DATA:

Memory:	2 MB Flash non-volatile memory organized into 6 separate data files - 60000 reading each and 2 separate data files - 250000 readings each
	Block or Cyclic – Start/Stop
Memory Type:	Flash non-volatile memory. Data is retained for 10 years if battery power fails.
Sampling Rate:	Configurable Sampling Rate: 1 sec - 15 min
Logging Rate:	Configurable Logging Rate: 5 sec - 24 hrs
Logged Data Types:	Average, Instantaneous, Minimum, Maximum
Flow Logging Modes:	Count, Event, Pulse Interval Timing
Communications:	IrDA – Baud Rate of 115,200 Baud
Logger range:	2 channels – 1-Flow. 1-Pressure/Analogue

ANALOG & DIGITAL INPUTS:

Pressure transducers:	20 Bar / 290 psi Range Standard
Pulse Rate:	Std. 80/second - Max 400/second optional
Flow Meter Sensors:	Compatible with all major meter manufacturers that are equipped with a digital pulse output.

PHYSICAL | POWER | ENVIRONMENTAL:

Plastic Potted Enclosure: PFL1 Model	95mm L x 65 mm W x 40 mm D 3.75' L x 2.5' W x 1.6' D Weight: 0.8 kg / 1.7 lb
Batttery:	>5 years depending on model/settings
Operating Temperature:	-20 to 70 °C [-5 to 160 °F]
Ingress Rating:	IP68 Submersible

ORDERING MATRIX:

PARAMETER	OPTIONS	CODE
Enclosure Type	Potted Plastic	PFL1
External Pressure Transducer	Y	-X
	N	
Flow Input Cable	Y	-Kit
	N	

EXAMPLE :

Portable logger with potted plastic maincase + external pressure transducer + flow input cable

= PFL1-X-Kit

Authorized Reseller

MOBILTEX-FloPath-PFL1-BRO-0225



MORE QUESTIONS?
WE'VE GOT ANSWERS!

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