MOBILTEX

FloPath® PFM1/PFM1-A

MULTIPLE INPUT PRESSURE/FLOW DATA LOGGER
ENGINEERED FOR EXTREME CONDITIONS

FloPath
a MOBILTEX brand



Product may not ship exactly as shown

HIGHLY FLEXIBLE AND COST EFFECTIVE REMOTE CELLULAR COMMUNICATING DATA LOGGER — WATERPROOF AND SUBMERSIBLE WITH LONG-LIFE BATTERY POWER AVAILABLE IN A VARIETY OF CONFIGURATIONS TO MEET CHALLENGING SITE CONDITIONS.

The PFM1/PFM1-A data loggers have up to 8 data files monitoring a range of analogue and digital signals and benefits from the latest advances in cellular communication.

These advance devices utilize a unique data logging architecture that can detect pressure surges and measure minimum night flow more accurately using Pulse Interval Timing [PIT]. The loggers allow users to analyze data in greater detail than currently available with traditional loggers. These powerful features enable additional fast logging, such as step testing, without interfering with the main 15-minute recordings.

PFM1/PFM1-A data loggers store data in non-volatile memory organized into data files. Each data file is an independent data logger with its own logging parameters. More than one data file can record different types of data for the same input channel. Data types include Min/Max, Average, Instantaneous, etc.

Communications via 4G/5G LTE CAT M1 and NBIoT cellular options deliver industry leading back haul connectivity while still offering 2G option for legacy systems.

FEATURES OF FLOPATH PFM1/PFM1-A

- PFM1 data logger is a standard 1P/1F logger while the PFM1-A allows for up to 3P/2F configuration.
- 2 MB Flash non-volatile memory organized into 8 separate data files of up to 60000 reading each
- Pressure surge detection capabilities
- Accurate minimum Night Flow analysis using PIT
- Remote set-up, monitoring and control through locally deployed FPLog software platform
- Local data download via a fast non-contact IrDA link (115,200 baud)
- Cellular communications - Integral GPRS modem 2G and 4G/5G LTE CAT M1 / NB-IoT
- Completely waterproof and submersible (IP68)
- Battery life > 5 years under normal operation -- available external battery pack and DC power options



PFM1/PFM1-A APPLICATIONS:

- DISTRICT AND ZONE MONITORING
- NETWORK MODELING
- PRESSURE SURGE DETECTION
- FLOW & PRESSURE MONITORING
- PRV PERFORMANCE MONITORING
- LOW PRESSURE ALARM FOR BURST DETECTION
- RESERVOIR / BORE HOLE MONITORING

PFM1/PFM1-A SPECIFICATIONS

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.

LOGGING | COMMUNICATIONS | DATA:

Memory:	2 MB Flash non-volatile memory organized into 8 separate data files with 60000 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 : 1 sec - 15 min
Logging Rate:	Configurable : 1 min - 24 hrs
Logged Data Types:	Average, Instantaneous, Minimum, Maximum
Flow Logging Modes:	Count, Event - Pulse Interval Timing
Standard Logger Range:	PFM1 : 1 pressure / 1 flow channel PFM1-A : 2 pressure / 2 flow OR : 3 pressure / 2 flow channels
Communications:	IrDA – Baud Rate of 115,200 Baud GSM data, GPRS and SMS
Cellular Modem:	2G and 4G/5G LTE CAT M1 / NBIoT cellular options available

PHYSICAL | POWER | ENVIRONMENTAL:

Case Dimensions:	210mm L x 130mm W x 80mm D
Enclosure:	Polycarbonate
Weight:	1.4 kg
Battery:	>5 years depending on model/settings
Operating Temperature:	-20 to 70 °C [-5 to 160 °F]
Ingress Rating:	IP68 Submersible

ORDERING MATRIX:

MODEL PFM1 : WITH 1 PRESSURE / 1 FLOW INPUTS ONLY

PARAMETER	OPTIONS	CODE
Enclosure Type	Polycarbonate	PFM1
Pressure Sensor [Select one]	Internal	P
	External (2m/6ft cable length)	Px
Flow [all models]	Single bi-directional pluse input	F
Cellular Connectivity [Select one]	4G LTE	LTE
	LTE-M / CAT-M1	M1
	NBIoT	NB
	None	

MODEL PFM1-A : WITH UP TO 3 PRESSURE / 2 FLOW INPUTS

PARAMETER	OPTIONS	CODE
Enclosure Type	Polycarbonate	PFM1-A
Pressure Sensor [Select one]	2x Internal	PP
	2x External (2m/6ft cable length)	PxPx
	2x Internal + 1x External	PPPx
	3x External	PxPxPx
Flow [all models]	2x bi-directional pluse input	FF
Cellular Connectivity [Select one]	4G LTE	LTE
	LTE-M / CAT-M1	M1
	NBIoT	NB
	None	

EXAMPLES :

1 Pressure Internal & 1 Flow, NBIoT network = PFM1-T-PF-M1

3 Pressure External for PRV, 4G LTE = PFM1-A-PxPxPx-FF-LTE

Authorized Reseller



MORE QUESTIONS?
WE'VE GOT ANSWERS!

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