MOBILTEX

FloPath® GTRI

MULTIPLE INPUT PRESSURE/FLOW DATA LOGGER ENGINEERED FOR EXTREME CONDITIONS

FloPath
a MOBILTEX brand



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 GTRI data logger has up to 8 data files for 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.

GTRI 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. Different types of data include Average, Instantaneous, Minimum, Maximum 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 GTRI

- Up to 8 data file logging with up to 2 internal/external pressure sensors - flexible data logging architecture
- 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



FLOPATH GTRI APPLICATIONS:

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

GTRI 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 organized into 8 separate data files of 60000 reading 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 second to 15 minutes
Logging Rate:	Configurable - 1 min - 24 hrs (GPRS/Cellular)
Logged Data Types:	Average, Instantaneous, Minimum, Maximum
Flow Logging Modes:	Count, Event - Pulse Interval Timing
Standard Logger Range:	1-4 channels selectable (2 Flow & 2 Pressure)
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
Logger range:	Up to 8 data files logging with up to 2 internal/external sensors

Authorized Reseller

PHYSICAL | POWER | ENVIRONMENTAL:

Case Dimensions:	87mm L x 57mm W x 38mm D
Enclosure:	Die-cast aluminium powder coated/painted
Weight:	2.2 kg
Battery:	>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	Cast Aluminum	GTRI
	One Internal Pressure	P
	One External Pressure (2m)	Px
	Two Internal Pressure	PP
	Two External Pressure (2m)	PxPx
Pressure Sensors	NONE	
	One Flow	F
	Two Flow	FF
Flow Logging	None	
	2G	2G
	4G-CAT M1	4GC
For Cellular Only	4G-NBIoT	4GN

EXAMPLE :

Datalogger with 1 external pressure & 2 flow inputs, 2G Cellular = GTRI-PxFF-2G

OPTIONAL COMPONENTS	PART #
Flow Input Cable	GA1
Coiled Pressure Hoses	CHP
Female Quick Release	QFF
Programming Cable	COM1-25
External Battery Pack	GA-EXTBATT1

MOBILTEX-FloPath-GTRI-BRO-0225



MORE QUESTIONS?
WE'VE GOT ANSWERS!

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