



Electromagnetic Flowmeters



DATAfLOW TX
by **EUROMAG**

Dataflow TX - Data Logger

For remote alarming and monitoring in all environments.

1. Applications

- Key account metering
- Irrigation metering
- Event monitoring
- Remote metering
- Difficult to access sites
- Process and machine monitoring
- Flow monitoring
- Pipelines

2. Features

- Designed for industrial use
- 4 programmable inputs
- Waterproof to 1 metre
- SMS & e-mail data collection
- Stores 2 million records
- 10 year battery life*

3. Product overview

Dataflow TX Data Logger has been designed to meet the harsh environmental realities of monitoring industrial and utility equipment. Powered by a long life battery and waterproof to 1 metre, it is robust enough to be installed in inspection pits or exposed to the weather, without the need for specialized tools or running cables.

Once installed the Dataflow TX thinks for itself, returning information to multiple users via e-mail or SMS providing data and reporting alarms such as zero usage or maximum demand events automatically.

Extremely flexible, Dataflow TX has four digital inputs and can be programmed to record data in intervals ranging from 1 second to 99 minutes and has memory capacity to store up to 2 million records. The Dataflow TX software suite provides easy to use tools for data analysis and export to databases and spreadsheets.

Field proven in applications as diverse as water level sensing, utility metering and security monitoring, the Dataflow TX Data Logger is the obvious choice for your data collection and operation monitoring needs.

4. Specifications

Meter Inputs

Up to 4 unpowered floating Voltage free inputs		
Short cable mode:	Max input cable length	4 metres
	Min pulse width (N/O)	2 milliseconds
	Min Pulse separation	9 milliseconds
Long cable mode:	Max input cable length	10 metres
	Min pulse width (N/O)	10 milliseconds
	Min Pulse separation	50 milliseconds
Input impedance	>10k Ohms	
Edge detection - open to closed (NO) or closed to open (NC)		

Communications

Serial:	Infrared interface
Wireless:	• Internal Dual band cellular 900/1800 Mhz or 850/1900 Mhz GSM modem
	• Short Message Service (SMS)
	• GPRS Class B (4+1) up to 85.6 kbps as e-mail

Logging Features

Memory	2 million records
Alarms	• Low or Zero usage in a period
	• High usage in a period
	• Return of state (when used as alarm input)
	• Tamper detection
Clock	Real time with time and date stamp facility
*Battery Life	Typically 10 years but is dependant on logging intervals and call frequency

Physical

Dimensions	82mm Ø x 170mm
Weight	470 grams
Environmental Protection	IP67
Operating Temperature	-20°C to +75°C for all logger functions
	-20°C to +55°C for GSM functions

table 1