

## T230 Electronic PitScan

Inexpensive and reliable, the PitScan T230 is the cost effective solution to meter reading access problems. The T230 electronic PitScan is designed specifically for pit lid installations and accurate counting of water meter pulse outputs.



### Features

- High integrity pulse counting
- Fully configurable
- Long battery life
- Operates at  $-30^{\circ}\text{C}$  to  $70^{\circ}\text{C}$
- Leak detection
- 'Touch Free' reading
- Holds last read value
- Supports bi-directional pulsers
- Installed with pit meters, improving access safety
- Installed in easy to access pit locations to deal with difficult to access meters

### Reduced meter reading costs

The PitScan T230 is installed in a pit location, leading to safe, easy access for meter reading.

The meter reading and serial number is transmitted to a touch read device. This enables you to simply and cost effectively migrate your system from a visual to an electronic reading.

### Fully configurable

The T230 can be used with any meter with a suitable pulse output. The meter reading is easily pre-set at time of installation. To reduce time and errors in the field, configuration is carried out using an Elster programmer, eliminating the complexity of having to press buttons in the right sequence found in less sophisticated products. The T230 is programmed with a specific serial number or customer account number at the time of installation.

### Customer Service

The T230 can be configured to detect suspected fraud, for example, the cutting of pulse input wires. It can transmit a warning if no water has been consumed for 30 days, indicating potential meter stoppages or removal of pulse probes. The T230 can be configured to detect leaks and to provide a warning when long periods of continuous flow are detected. All warnings are transmitted with the meter reading every time the PitScan is read.

## Performance

Configuration options	
Scale factor 1 to 2000	
Programmable 10 alpha numeric serial no.	
Programmable initial meter reading	
Leak monitor, suppression monitor	
Tamper	Non usage, wire cut, magnetic supplies
Choice of units	M3, gallons, litres, Cu ft, kl.
Inputs	Any reed switch or open collector pulser

### Physical

Housing	Tough polypropylene
Drop test	1m drop onto concrete
Dimensions	Head dia. 60mm, Ov. length 103mm
Weight	150g

### Environmental

Sealing	IP68 (electronics enclosure)
Operating temperature	-30°C to +70°C
Operating humidity	95% RH

### Electrical

Power source	3.6V Lithium battery
Operating	life is not affected by the number of pulses counted
Battery low indicator	Data output
Max. input frequency	25Hz (40Hz for open collector)
Worst case mark – space ratio	12-75% (Reed switch) 30-70% (Open collector)
Low pass cut frequency	12.5Khz

Approvals	CE marked
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## Additional features

The T230 incorporates fully sealed electronics, with a permanently connected battery for reliability. A sophisticated combination of digital signal processing and current pulse techniques provides integrity pulse counting. The T230 is compatible with most hand-held meter reading devices.

## PitScan T230

The T230 is a pit located device which will count meter output pulses and then provide a serial data output. With up to 500ft of cable, the T230 is made of tough polypropylene to withstand heavy traffic loads and is encapsulated to IP68 making it fully submersible. Ultra-versatile, the T230 can also be used to indicate leak detection, cable tampering, continuous and no flow conditions. Combined with cable options for different applications and a 10 year battery life, the T230 is robust and practical.

This product contains lithium batteries which must be disposed of by a qualified disposal agency. Under no circumstances should they be crushed or incinerated.