

# Pressure Transient

## Data Logger



### KEY BENEFITS

- Specialist logger for measuring water hammer
- Completely submersible.
- No maintenance required for 5 years
- Large memory
- Fast logging capability
- 5 year battery life
- Portable

The Pressure Transient Logger is a specialised data logger for monitoring rapid pressure changes in water pipe systems. (e.g. Water Hammer) It is supplied in portable mode only.

Pressure Transient Loggers are completely waterproof, submersible and battery powered and will require no maintenance for at least five years.

Pressure transient spikes are a major cause of bursts and the associated expense of repair, water lost and interruptions to supply. Conventional loggers do not log rapidly enough to identify these transients which often last only seconds.

The Pressure Transient Logger is ideal for monitoring pressure waves generated by pumps, pressure reducing valves and other valves in pipe systems. It is supplied with one input for an external pressure transducer. Alternative pressure transducers can be supplied for special applications.

Please note that external pressure sensors should preferably be located within 10 meters of the logger.

All of FCS's range of Radcom data loggers and controllers are compatible with Radlog for Windows™, the industry standard for data trending, reporting, analysis and archiving. In addition, specialist "Transient View" analysis software is capable of windowing down to one sample.



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# Pressure Transient

Data Logger

ENVIRONMENTAL MONITORING  
PRESSURE CONTROL  
LEAK DETECTION  
DATA LOGGING  
FLOW MEASUREMENT

Sensor Input	Analogue	External Pressure Transducer.
		Supplied with quick fit connector.
		0-35 bar, accuracy $\pm 0.25\%$
Logging Features	Memory	Primary recording 48,720 readings (MultiLogTM). (memory expandable to 245,280 readings on request) Can read continuously (cyclic mode) or period of time (block).
	Frequency	1, 5, 10, 20 and 25 samples per second.
	Logger ID	Up to 8 alphanumeric characters
	Clock	On board 24 hour real time clock with date facility.
Communications	Serial	RS232 by MIL connector for connection to laptop or desktop PC.
		115,200 Baud.
Physical	Dimensions	195H x 120W x 70D mm (7.7"H x 4.7"W x 2.8"D)
	Construction	Die-cast aluminium enclosure, powdercoat spray painted
	Weight	1.6 Kg (3.5 lb)
	Operating Temp	-20 to +70°C (-5 to +160°F)
	Ingress protection	IP68 submersible
	Power	Lithium-ion cell operational for 5 years under normal operating conditions. Warranted for continuous operation of up to five years. Low battery alarm in data packet when downloaded

Kit version includes software and carry case etc :-

1. Data Logger
2. Pressure transducer with quick fit connector
3. Download Lead
4. 32 bit Windows based "Pressure Transient" analysis software providing full Graphical and Tabular displays on PC or Laptop computer.
5. Documentation
6. Carry Case

*FCS reserve the right to change the specification of any product without prior notice.*

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