



The Series types:

- Triton Plastic
- Triton Stainless Steel
- Triton Stainless Steel with Display
- Triton Transient
- Triton GPRS
- Triton Transient with GPRS

Applications include, but not limited to:

- Pressure/PRV monitoring
- Critical point monitoring
- Zone pressure monitoring
- Monitor weirs, reservoirs, borehole depth
- Leakage flow-monitoring
- Step testing
- Hydraulic network analysis
- Pressure surge detection
- Rainfall monitoring
- Pump ON/OFF times
- Minimum night flow analysis

The Triton Series of data loggers are designed to cover a multitude of data logging applications with a



minimal selection of products. All using the same solid foundation and architecture in the data logging structure but with variations on their capability means we have a data logger for every application.

With options of pressure and/or flow sensors either internally fitted or externally connected using MIL C Spec connectors means the sensor ranges and capabilities are limitless.






With user selectable data logging regimes and frequencies means the battery life is greater than 5 years when used at 15 minute intervals with the additional ability to store data as instantaneous, minimum, maximum and average measurements based on the sampling rate selected. Measurements down to 1 second are possible from the standard logger or 1khz for the transient specific logger. The logger stores data in non-volatile flash memory organised into data files. The memory will retain data for 10 years if battery fails.

Measurement accuracy is optimised using multi point calibration. Logged data can be re-calibrated before, during or after the recording by simply re-calibrating the sensor to the logger.

Downloading of data is via a fast non-contact IrDA communications link (115,200 baud). The logger software can also be upgraded in the field via the IrDA communications link.

The Triton range of data loggers are completely waterproof, fully submersible to 10m depth.

Versions:

Triton Plastic	Triton Stainless	Triton Display	Triton Transient	Triton GPRS
				
Plastic Housing with choice of pressure and flow sensors	Stainless Steel housing with choice of pressure and flow sensors	Stainless Steel housing with built in LCD display and choice of pressure and flow sensors	Stainless Steel housing with built in LCD display and unique method of data logging fast transient pressure activity in water networks	Stainless Steel housing with choice of pressure and flow sensors, transmitted using the GSM/GPRS network from a simple SIM card

	Triton Plastic	Triton Stainless	Triton Display	Triton Transient	Triton GPRS
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Pressure type	Internal / External				
Pressure range	1 bar up to 400 bar (max. 40 bar for internal sensor)				
Flow Inputs	Digital input, any pulse rate up to 400 pulses per second				
Other Inputs	0/4-20mA, 0.5 to 4.5V, 0-5 / 0-10V (consult factory)				
Memory	2MB organised into 6 separate data files of 60,000 readings, plus 2 files of 250,000 readings each (Block or Cyclic - Start/Stop)				
Memory type	Flash, Non-volatile memory. Data is retained for 10 years if battery fails				
Sampling rate	1 second to 24 hours		10 times per second	1 second to 24 hours	
Logging rate	1 second to 24 hours		1000 per second	1 second to 24 hours	
Logged data	Average, Instantaneous, Minimum, Maximum				
Flow logging	Count, Event, Pulse interval timing				
Comms	IrDA - Baud rate of 115,200			IrDA - Baud rate of 115,200, GSM, GPRS & SMS	
LCD Type	-		8-digit display		-
Case dimensions	87mm Length 57mm wide 40mm depth	105mm Length 60mm wide 55mm depth	145mm Length 90mm wide 55mm depth	145mm Length 90mm wide 55mm depth	192mm Length 120mm wide 80mm depth
Construction	Plastic, fully potted (IP68 fully submersible)	Stainless steel powder coated (IP68 fully submersible)			Die-cast aluminium powder coated (IP68 fully submersible)
Weight	250g	650g	1250g	1250g	2250g
Operating temperature	-20°C to +70°C, -5°F to +160°F				
External Power Option	-		Allows continuous sampling at 1KHz	-	



IrDA Communications device:

Local communications is via a fast non-contact IrDA to USB communications link (115,200 baud). The logger software can also be upgraded in the field via the IrDA communications link.

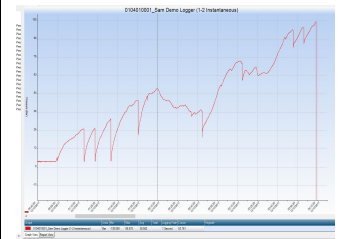
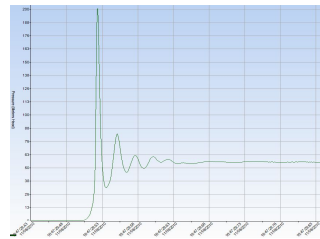
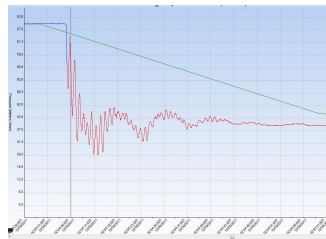
Fully potted & Sealed to IP68

2.5m long cable



Software:

You can download the software free of charge from the website.



Below are some features of the software, there are video tutorials and demonstration videos online, please contact us for the links.

- **Download data to view in graphical format and export to any file type you require**
- **Configure the logger setup, logging rate, engineering units and many more functions**
- **Read data in realtime from the logger on your PC**
- **Organise your loggers with site information**
- **Annotate graphs to create simple and effective reports in PDF**



Part Numbering system:

Triton		TRI	-	X	X	-	XXXX	-	XXXX	-	X
Housing Material											
	Stainless Steel			S							
	Plastic			P							
Display											
1)	Yes			Y							
	No			N							
Pressure Sensor											
	None					N					
	1 x Internal Pressure					IP					
1) 2)	2 x Internal Pressure					IPIP					
	1 x External Pressure					EP					
1) 2)	2 x External Pressure					EPEP					
1) 2)	1 x Internal, 1 x External Pressure					IPEP					
Flow Sensor											
	None							N			
	1 x External Flow							EF			
1) 2)	2 x External Flow							EFEF			
Options											
	None										N
3)	GPRS Communication										G
3)	Transient Function										T
1)	Only available with Stainless Steel housing										
2)	Maximum total inputs is 3. i.e 1 pressure, 2 flow or 2 pressure, 1 flow										
3)	Choosing this option please note the different dimensions, specification and battery life										