

General	
Measurement Principle	Ultrasonic non-contact Time of Flight (TOF)
Recommended Sensor	Digison-3 (Range 3m, frequency 150KHz) or Digison-6 (range 6m, Frequency 80KHz)
Primary Devices supported	V-Notch weirs, Rectangular Weirs, Rectangular Flume, Parshall Flume, Palmer Bowlus, Flume, Manning formula, 32-point look-up table.
Operating range	-20°C to 50°C (-4 to 122°F) Ultrasonic
Accuracy	0.1% of the measurement range
Resolution	0.5mm
Display	3" Graphic LCD 128*64px, White on Blue with Backlight
Display Screens	User Selectable Scrolling: Current Flow rate, Totaliser, Distance, historical 3 day summary of 24 hour total flow and maximum 24 hour flow.
Security	User selectable passcode
Outputs	
Analogue	1x4-20mA fully galvanically isolated into 1K. Bar Graph display indicator.
Comms.	RS485 Modbus RTU
Relays	3 NO/NC user programmable; 230VAC 5A/30Vdc 6A
Data Logger	
	4 GBytes SD card. > 20 years memory
Reporting Software	
	Windows based software to display and print data tables, graphs and export data to Excel.
Physical	
Dimensions (mm)	130(H) x 160(W) x 60(D) mm
Weight Kg (lb)	0.66 (1.45)
Ratings	IP 66 / NEMA 4X
Approvals	ASA+PC, UL 94V-0
Mounting	Wall mounted
Power	
Supply (AC)	100-240Vac, 5W (5V @ 0.38A)
Supply (DC)	9-36Vdc, 6W (5V @ 0.38A)
Electronic Performance	
Processor	Texas Instrument MSP430, 16-Bit Architecture
Temperature Range	-20°C to 80°C (-4 to + 176°F)