Overview

FLOMEC LCD display RT40 battery powered flow rate totaliser is specifically designed for computing & displaying flow rates & totals from flow meters with pulse, sine wave or frequency outputs. The instrument displays re-settable (batch) total, cumulative total and instantaneous flow rate in engineering units as programmed by the user.

Robust Field & Panel Enclosure

Designed for the more rugged applications in mines sites and mobile installations, the RT40 LCD display has a backlight panel and large digits for distance viewing at night.

Specifications

Displays	Large backlit LCD 6 digit numeric display with 8 digit resettable cumulative totaliser and 5 digit rate display
Memory	All programmed and accumulative data is stored permanently in non-volatile memory
Temperature Range	-20°C to + 80°C max. (-4°F to 176°F max.)
Signal Output	Pulse/frequency input with Reed switch, Hall Effect, Voltage, Pulse, Current and Coil
Pulse Output	NPN transistor, Scalable (20hz, 100mA max.)
Battery Power	Life Expectancy 5 years* (unit draws approx 70µA under battery)
External Power	Regulated 8-24Vdc x 50mA min (Reverse polarity protected)
Configuring	PIN protected data entry
Protection Class	IP66/67 (NEMA4X) 3 x M16 x 1.5 female conduit entries
K- Factor Range	Scale factor i.g pulses/litre, gallon etc. Programmable range 0.001 - 99,999.999
Engineering Units	Selectable Ltr, gal, m³, kgs, lbs and units sec/min/hr or day (rate)
	*dependent on settings

Features/Benefits

- Economic and robust LCD display suitable for mine sites and service truck installations
- Battery or external powered, large LCD 5 digit flow rate, 6 digit resettable total & 8 digit cumulative total
- Robust IP66/67~NEMA 4X Aluminium field & panel mountable housing with an optional heavy duty facia protector shield
- High visibility with LCD backlighting
- Scalable universal pulse or frequency inputs
- Scaled pulse output
- PIN protected programming
- Simple flow chart touch key programming
- Reverse polarity protection
- Long battery life
- Relay board with SPDT outputs
- Flowmeter & pipe mount kits

Also Available

- Battery totalisers (BT11)
- Automatic batch controllers (FEB10)
- Rate totaliser with 4~20mA, alarm & scalable outputs, dual flow inputs & linearization (RT12)

Programming

Simple PIN protected flow chart programming with English prompts guide you through the programming routine greatly reducing the need to refer to the instruction manual.

Application Hints

The FRT40 is often used for service trucks delivering diesel fuel or water. The large backlit display, rugged housing with optional Perspex protective fascia, and long battery life make it ideal for mobile dispensing.

Meter mounting for Large OM meter Sizes When ordering a large Oval Gear Meter the R4 option is the recommended display for easy visibility. If an intrinsically safe display is required please order R3 or for a flameproof option the E10.
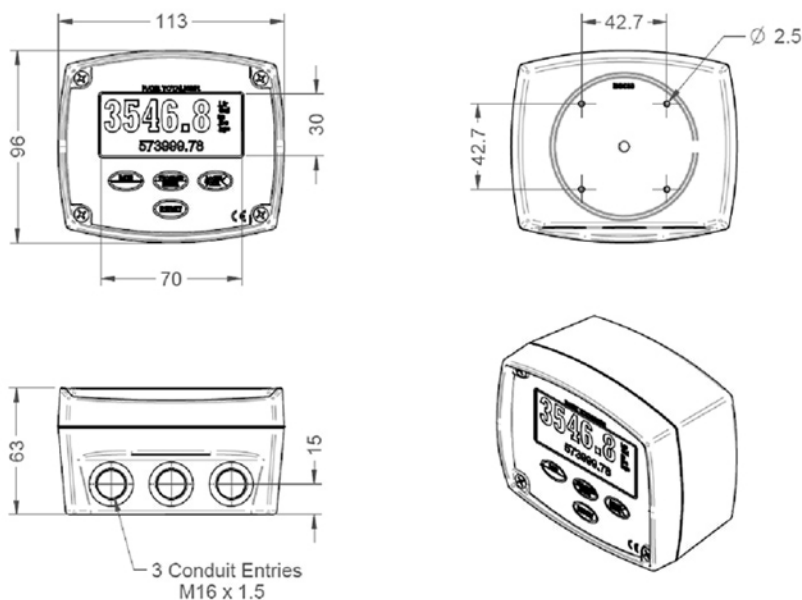
Model Coding

FLOMEC™ Universal Mount Flow Instruments					
Model	**Function** (all instruments have program PIN protection)				
RT40	Flow rate totaliser with backlit large digit LCD, scaleable pulse output & Aluminium IP66 housing				
	Electrical access				
	1	M16 x 1.5 female threaded conduit entry ports			
		Flow input type			
		D	Digital (pulse or frequency)		
			Power supply		
			0	Self powered (battery) or regulated 8~24Vdc	
				FA	Universal mount (field or panel) - Aluminium housing
				MA	Integral meter mount - Aluminium housing
				Mechanical options	
				P	Facia protector - for Aluminium housing only (3mm clear polycarbonate protection plate)
Model No. Example					
RT40	1	D	0	FA	

Dimensions

Pipe mounted FRT40

Meter mounted FRT40

Service & Warranty: For technical assistance, warranty replacement contact your FLOMEC™ distributor.
In North or South America: 888-996-3837 / GPI.net
Outside North or South America: +612 9540 4433 / flomec.com.au

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