FLOMEC® LCD display RT14 is a fully programmable self-powered flow rate totaliser specifically designed for computing & displaying flow rates & totals from flow meters with pulse, sine wave or frequency outputs. The instrument displays resettable (batch) total, accumulated total and instantaneous flow rates in engineering units as programmed by the user. Flow meter inputs: suitable use with most pulse/frequency output meters such as reed switch, coil, voltage pulse (Wiegand), NPN and PNP.

Control Outputs

An unscaled pulse output serves as an input signal amplifier ideally suited for coil type inputs from turbine or paddle wheel meters. The output can be transmitted over and can be configured for NPN/PNP with wiring connection.

Features and Benefits

☐ Self or external powered, 8 digit LCD total, accumulated total and rate
☐ Robust IP66/67-NEMA4X universal mount glass reinforced nylon enclosure with rubberised buttons and polycarbonate lens
☐ GRN field & panel mountable housing
☐ Sealed pulse, 4-20mA (Loop Powered) output, multi point llinearization of flow input or fequency inputs
☐ Flow alarm for high, low or high/low
☐ PIN protected programming
☐ Simple flow chart touch key programming
☐ Reverse polarity protection
☐ Non volatile memory, Long battery life
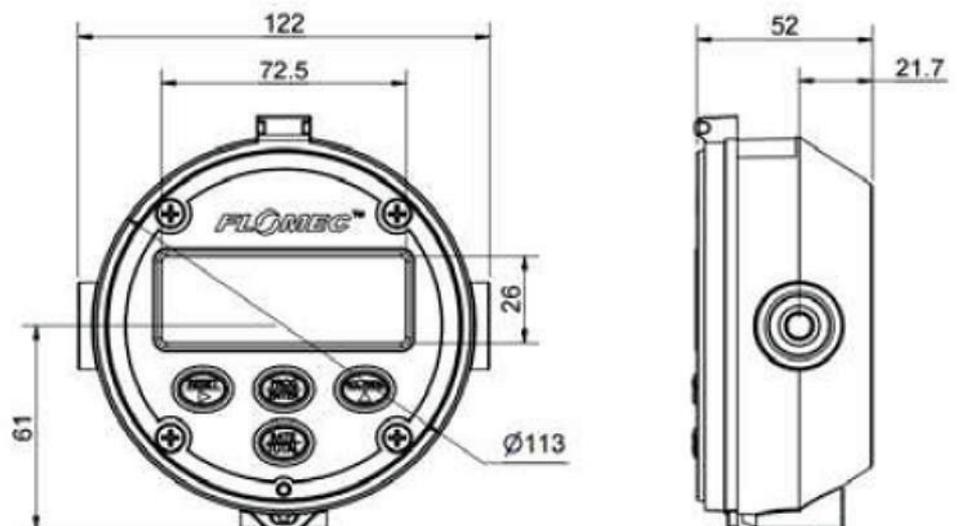☐ Flowmeter & pipe mount kits available

Also Available

☐ Battery totalisers (BT11)
☐ Automatic batch controllers (EB10)
☐ Flow rate totaliser with backlit large digit
☐ LCD, alarm & scalable outputs (RT40)

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

Overall Dimesnsions

Specifications

LCD Display	8 digit alpha-numeric LCD display with 12mm characters with backlight*
Instantaneous flow rate	8 digit to 3 decimal points
Reset & Accumulative totals	8 digit to 3 decimal points
Engineering Units Displayed	Litres, Gallons, metres^3, pounds, Quartz, kilograms or nil
Input types	Reed switch (close contact) & NPN/PNP for OM Meter, Variable Reluctance for Turbine flowmeters, Weigand Sensors (voltage pulse) for DP Meters
Input frequency	1.2KHz (NPN/PNP), 2kHz (Coil inputs), 120 Hz (Reed)
Input scaling range	0.0001 ~ 9999999.9999 with 4 floating points
Linearisation	10 point correction
Pulse outputs	one selectable digital output for scaled pulse, unscaled pulse, high, low or high/low alarms
Operating Temperature	- 30°C ~ +80°C (-22°F ~ +176°F)
Power sources	AA 3.6V Lithium Thionyl Chloride Battery, external voltage or loop powered (12 ~ 30vDC)
Enclosures	High impact glass reinforced Nylon (PA6) with a Polycarbonate lens, Nitrile O-Ring seals and Polyurethane gaskets, providing an IP rating of IP66/67^
Mounting	meter & stem mount, wall, pipe or panel mount^

* Backlight possible when connected to external power

^ panel mount seal kit required to maintain IP66/67 rating when separating front and rear housing for mounting

Model Coding

Model	Function (all instruments have program PIN protection)					
RT14	Flow rate totaliser with 4~20mA,scaleable pulse & alarm outputs, dual flow inputs & IP67/68 GRN housing					
	Electrical access					
	1	M20 x 1.5mm (M16 x 1.5mm for Al housing) female threaded conduit entry ports (sealed ports remain IP66/67 when not used)				
	2	1/2" NPT female threaded conduit entry ports (not available on aluminium housing)				
		Flow input type				
		D	Digital (pulse or frequency)			
			Power supply			
			0	Self powered (battery) or regulated 8~24Vdc		
				Housing type		
					FM	Universal mount (field or panel) - GRN housing
					MM	Integral meter mount - GRN housing

Accessories

☐ 1522001 Wall Mount Kit
☐ 1522002 2" Pipe Mount Kit
☐ 1504003 Panel mount Seal Kit

GPI / FLOMEC® / GPRO

GREAT PLAINS INDUSTRIES AUSTRALIA GPI