

Trimec Series 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 resettable (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 & mobile installations, the RT40 LCD display has a backlight panel & large digits for distance viewing at night.

Features /Benefits

- Battery or external powered, 6 digit large LCD total & 8 digit cumulative totaliser, 5 digit rate display
- Robust IP66/67~NEMA 4X Aluminium field & panel mountable housing
- LCD Backlighting standard
- Scalable universal pulse or frequency inputs
- Scaled pulse output
- PIN protected programming
- Simple flow chart touch key programming
- Reverse polarity protection
- Long battery life
- Heavy duty facia protector shield
- Relay board with SPDT outputs
- Flowmeter & pipe mount kits

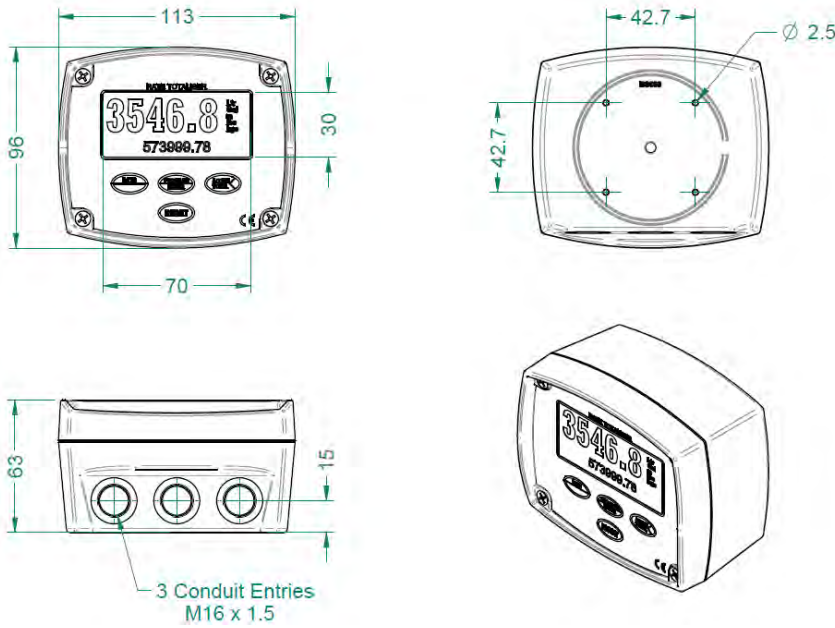


Specifications

Model prefix :	RT40
Displays	Large backlit 6 digit numeric display with LCD character 8 digit reset cumulative totaliser 5 digit rate display
Memory	All programmed & accumulative data is stored permanently in non-volatile memory
Temperature range	-20°C ~ +80°C max. (-4°F ~ 176°F max.)
Signal Input	Pulse/frequency Input with reed switch Hall Effect, Voltage, Current & Coil
Pulse Output	NPN transistor, Scalable (20hz, 100mA max.)
Battery power	Life expectancy 5 years* (Unit draws about 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, m ³ ,kgs, lbs (total)/sec, /min, /hr or day (rate)

* Battery life reduces when rate is more often displayed & there is no external power connected.

Over all Dimensions:



Model Code:

RT40	Flow rate totaliser with backlit large digit LCD, Scalable pulse output
Electrical access	
1	M16 x 1.5mm female threaded conduit entry ports
Flow Input type	
D	Digital (pulse or frequency)
Power supply	
0	Self powered (battery) or regulated 8~24 Vdc
Housing type	
FA	Universal mount (field or panel) - Aluminium Alloy Housing
MA	Integral meter mount- Aluminium Alloy Housing*
* Only order MA when retro fitting instrument to MG series pulse meter	
Mechanical options	
P	Facia protector - 3mm clear polycarbonate protection plate

Model No. Example

RT40	1	D	0	FA	P
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Other Instruments also available:

- Battery totalisers (BT11)
- Automatic batch controllers (EB10)
- Rate totaliser with 4~20mA, alarm & scalable outputs, dual flow inputs & linearization (RT12)



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