

FLAMEC LCD DISPLAY RT40

These battery powered flow rate totaliser is specifically designed for computing and displaying flow rates and 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 and 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.

- Battery or external powered, 6 digit large LCD total and 8 digit cumulative totaliser, 5 digit rate display
- Robust IP66/67 ~ NEMA 4X Aluminium field and 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 and pipe mount kits

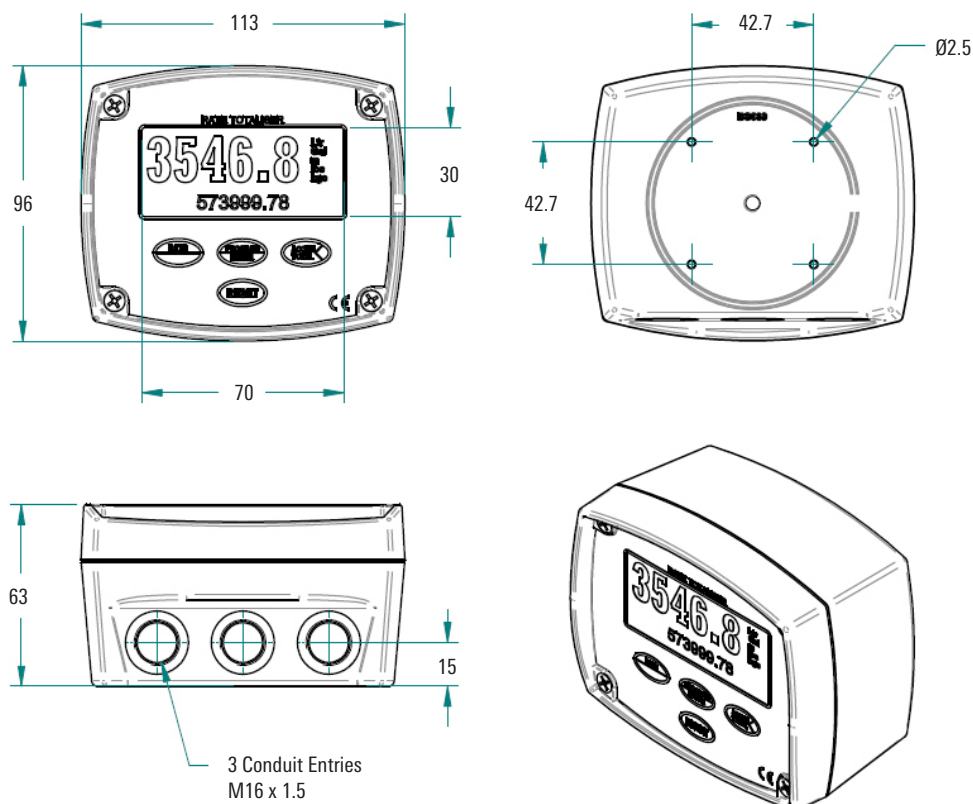


SPECIFICATIONS

MODEL PREFIX	FRT40
Displays	Large backlit 6 digit numeric display with LCD character, 8 digit reset cumulative totaliser, 5 digit rate display
Memory	All programmed and accumulative data is stored permanently in non-volatile memory
Temperature range	-20°C ~ +80°C (-4°F ~ +176°F max.)
Signal input	Pulse/frequency input with reed switch, hall effect, voltage, current and coil
Pulse output	NPN transistor, scalable (10hz, 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), 3x M16 x 1.5 female conduit entries
K-factor range	Scale factor i.g. pulses/litre, gallon etc., programmable range 0.001 ~ 99,9 99.999
Engineering units	Selectable Ltr, gal, m³, kgs, lbs (total)/sec, /min, /hr or day (rate)

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

OVER ALL DIMENSIONS



Pipe Mount



Meter Mounts



Panel Mount



Facia Protector

MODEL CODING

FRT40	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 OM series pulse meter	
Mechanical options	
P	Facia protector - 3mm clear polycarbonate protection plate

Model No. Example

FRT40	1	D	0	FA	P
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ALSO AVAILABLE

- Battery totalisers (FBT11)
- Automatic batch controllers (FEB10)
- Rate totaliser with 4 ~ 20mA, alarm and scalable outputs, dual flow inputs and linearization (FRT12)

