

## RT40

## Battery Powered Flowrate Totalizer



FLOMEC® LCD display RT40 battery powered flowrate totalizer is specifically designed for computing and displaying flowrates and totals from flowmeters with pulse, sine wave or frequency outputs.

The instrument displays resettable (batch) total, cumulative total and instantaneous flowrate in engineering units as programmed by the user.

## MODEL CODE

**RT40** = Flowrate totalizer 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)  
- Aluminum Alloy Housing  
**MA** = Integral meter mount - Aluminum Alloy Housing (Only order MA when retro fitting instrument to OM Series pulse meter)

## MECHANICAL OPTIONS

**P** = Facia protector - 3mm clear polycarbonate protection plate

**RT40 + 1 + D + 0 + FA + P** ← (Sample Model Number)

## Features and Benefits:

- ✓ Battery or external powered, 6-digit large LCD total & 8-digit cumulative totalizer, 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

## RT40 - SPECIFICATIONS

<b>Displays:</b>	Large backlit 8-digit numeric display with LCD character, 8-digit reset cumulative totalizer, 5-digit rate display
<b>Memory:</b>	All programmed and accumulative data is stored permanently in non-volatile memory
<b>Temperature Range:</b>	-4° F to +176° F (-20° C to +80° C)
<b>Signal Input:</b>	Pulse/frequency Input with reed switch Hall Effect, Voltage, Current & Coil
<b>Pulse Output:</b>	NPN transistor, Scalable (20hz, 100mA max.)
<b>Battery Power:</b>	Life expectancy 5 years (Unit draws about 70µA under battery). <i>Battery life reduces when rate is displayed and power is not connected.</i>
<b>External Power:</b>	Regulated 8-24VDC x 50mA min (Reverse polarity protected)
<b>Configuring:</b>	PIN protected data entry
<b>Protection Class:</b>	IP66/67 (NEMA 4X) 3 x M16 x 1.5 female conduit entries
<b>K-factor Range:</b>	Scale factor i.g. pulses/litre, gallon, etc. programmable range 0.001 - 999,999.999
<b>Engineering Units:</b>	Selectable Ltr, gal, m³, kgs, lbs (total)/sec./min./hr or day (rate)