



PRODUCT CONFIGURATION

PRODUCT IDENTIFIER **1**

RT14 = Oval Gear Meter

ELECTRICAL ACCESS **2**

1 = M20 x 1.5 mm female threaded conduit entry ports (sealed ports remain IP66/67 when not used)

2 = ½ inch NPT female threaded consult entry ports

FLOW INPUT TYPE **3**

D = Digital (pulse or frequency)

POWER SUPPLY **4**

0 = Self-powered (battery) or regulated 8-24V (dc)

HOUSING TYPE **5**

FM = Universal mount (field or panel) – GRN housing

MM = Integral meter mount – GRN housing*

* Only order MM when retro fitting an instrument to OM series pulse meters

--->>>> **1 2 3 4 5**
RT14 1 D 0 FM

RT14 FLOW RATE TOTALIZER

The 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 / BENEFITS

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

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.

SPECIFICATIONS

LCD Display	8 digit alpha-numeric LCD display with 12 mm characters with backlight*
Instantaneous Flow Rate	8 digit to 3 decimal points
Engineering Units Displayed	Liters, Gallons, Cubic Meters, Pounds, Kilograms or Nil
Input Types	Reed, NPN/PNP, Variable Reluctance (Turbine flowmeters), Weigand Sensors (voltage pulse)
Input Frequency	1.2 kHz (NPN/PNP), 2 kHz (Coil inputs), 120 kHz (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	-22°F - +176°F (-30°C - +80°C)
Power Sources	AA 3.6V Lithium Thionyl Chloride Battery, external voltage option (12 - 30V (dc))
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

ACCESSORIES

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

APPROVALS



DIMENSIONS

