

# RTB RATE TOTALISER

The RTB has an LCD display of flowrate and flow total. It takes the output from flowmeters and can be used for local or remote indication.

## Easy to use ✓

- Quick and easy to setup
- Preset to your requirements
- Displays rate, total & accumulated total

## Optional 4-20mA output ✓

## Highly accurate ✓

- Improve product quality
- Monitor costs
- Reduce waste

## Versatile ✓

- Mounts on the pipe, wall or flowmeter
- Battery, DC or loop powered
- Intrinsically safe version
- Waterproof enclosure



### Application

The RTB Rate Totaliser is designed to display the flow rate and total of your process liquid. You can use it for monitoring, controlling, dispensing, blending or filling of any liquid when used with turbine and pelton wheel flowmeters. The battery powered version is ideal for areas where a power supply is not available.

### Operation

The flowrate and a resettable total are available at the press of a button. The RTB stores a non resettable total to monitor your total consumption .

### Setup

The display can be in any engineering units, for example litres per minute. Control is easy via the front keypad and it can be preset for your requirements.

### Installation

The RTB can be mounted directly on to your flowmeter, wall mounted or pipe mounted. Cables are installed via waterproof cable glands.

### Optional Features

#### 1. Analogue 4-20mA output

An optional two wire 4-20mA output is available for transmission to other instruments or control equipment. It is scalable to your requirements and provides a fast response to changes in flowrate. The operating power is drawn from the 4-20mA loop so that the batteries will last indefinitely.

#### 2. DC power supply

This option requires a DC power supply of 8-35V.

### Construction

The instrument is housed in a watertight enclosure and cable entry is via cable glands.

# APOLLO

# RTB Rate Totaliser

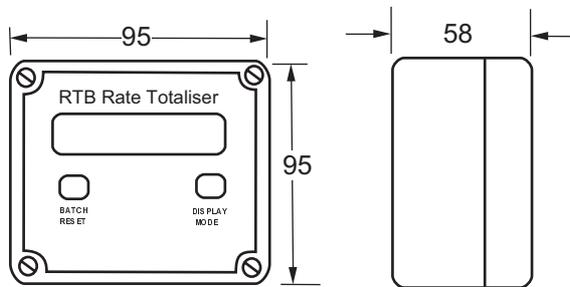
## Specifications

Display:	8 digit LCD
Resettable total:	8 digits resettable from the front panel
Accumulated total (Non resettable):	8 digit
Flow rate:	5 digits
K-factor:	The pulses per unit of measurement ( eg pulses/litre) is programmable
Decimal points:	Decimal point positions are selectable for both rate and total
Timebase:	Rate can be displayed in units per second, minute or hour
Frequency range:	10 to 7.5 kHz
Signal type:	Sinewave
Minimum signal:	7mV p-p at 10-100 Hz 25mV at 1 kHz 170mV at 7.5 kHz
Batteries:	6V lithium battery
Battery Life:	Battery life is dependent on the percentage of time that the instrument is totalising flow. Typical life is > 2 years

## 4-20mA Option

Scale:	The 4mA and 20mA points are selectable
Accuracy:	0.5% of range
Update time:	0.5 seconds
Connection:	Two wire loop powered 35V max.

## Dimensions



All dimensions in mm.

## DC Power

DC power input: 8-35 V maximum

## Physical

Temperature: -10°C to 65°C  
Mounting option: Adapter for mounting the instrument on to flowmeters.  
Protection: Sealed to IP66  
Enclosure: Polycarbonate or aluminium  
Cable entry: By cable glands.

## Hazardous Area Approval

The Intrinsically Safe version is approved to EEx ia IIB T4

**Contact our flow measurement specialists for FREE advice on your application**

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The expert advice and the calls are FREE  
So call now!

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