The 102D 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 a wide variety of flowmeters. It is ideal for areas where a power supply is not available.

**Setup**
The rate and totals can be displayed in any engineering units, for example litres per minute and barrels. The setup is easy via the front keypad and it can be preset for your requirements.

**Operation**
The flowrate and resettable total are displayed simultaneously. The 102D stores a non resettable total to monitor long term consumption.

**Installation**
The 102D can be mounted directly on to your flowmeter, wall mounted or pipe mounted. Cables are installed via waterproof cable glands.

**Construction**
The instrument is housed in a polycarbonate enclosure that is completely watertight.

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**Application**
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**Easy to use**
- Quick and easy to setup
- Preset to your requirements
- Displays rate, total & accumulated total

**Low Cost**

**Battery Powered**

**Highly accurate**
- Improve product quality
- Reduce waste and save money

**Versatile**
- Works with most flowmeters
- Waterproof enclosure
- Mounts on the pipe, wall or flowmeter

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### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>LCD which is continuously powered</td>
</tr>
<tr>
<td>Resettable total</td>
<td>7 digits 10mm high Resettable from the front panel</td>
</tr>
<tr>
<td>Accumulated total (Non resettable)</td>
<td>Displayed when the ACCUMTOT button is pressed</td>
</tr>
<tr>
<td>Rate</td>
<td>4 digits 8.5 mm high</td>
</tr>
<tr>
<td>K-factor</td>
<td>The pulses per unit of measurement (eg pulses/litre) is programmable in the range 0.0000001 to 999,999</td>
</tr>
<tr>
<td>Decimal points</td>
<td>Decimal point positions are selectable for both rate and total</td>
</tr>
<tr>
<td>Timebase</td>
<td>Rate can be displayed in units per second minute, hour or day</td>
</tr>
<tr>
<td>Frequency range</td>
<td>0.01 to 5 kHz</td>
</tr>
<tr>
<td>Signal type</td>
<td>Switch settable for sinewave (15mV peak to peak min), open collector, reed switch or pulse.</td>
</tr>
</tbody>
</table>

### Physical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature</td>
<td>-20°C to 60°C</td>
</tr>
<tr>
<td>Mounting</td>
<td>Universal mounting bracket supplied for mounting on wall</td>
</tr>
<tr>
<td>Mounting options available</td>
<td>1. Pipe mounting kit to fix the unit on to a pipe.</td>
</tr>
<tr>
<td></td>
<td>2. Adapter for mounting the instrument on to flowmeters.</td>
</tr>
<tr>
<td>Protection</td>
<td>Sealed to IP67</td>
</tr>
<tr>
<td>Cable entry</td>
<td>Via cable glands.</td>
</tr>
</tbody>
</table>

### Batteries

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Two easily replaceable lithium batteries</td>
</tr>
<tr>
<td>Battery life</td>
<td>2 years</td>
</tr>
</tbody>
</table>

### Dimensions

![Dimensions Diagram]

All dimensions in mm.

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Contact our flow measurement specialists for advice on your application

Tel: 01922 645647  Fax: 01922 640326

e:mail sales@apolloflow.co.uk  website www.apolloflow.co.uk

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CE Compliant