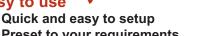
202Di RATE TOTALI

The Intrinsically Safe 202Di 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



Preset to your requirements Displays rate, total & accumulated total

Optional 4-20mA output

Optional high & low alarms



ATEX approved Intrinsically Safe

Highly accurate



Improve product quality Reduce waste and save money

Versatile ✓



Works with most flowmeters Waterproof enclosure Mounts on the pipe, wall or flowmeter **Battery or DC powered**

Application

The 202Di 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. The battery powered version is ideal for areas where a power supply is not available.

Operation

The flowrate and resettable total are displayed simultaneously. The 202Di also stores a non resettable total to monitor long term consumption.

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.

Installation

The 202Di 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 loop powered 4-20mA output is available for transmitting to other instruments or control equipment. It is scaleable 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. High and low flow alarms

Two flow rate alarms are available for monitoring the flow. The output will trigger when the flow rises above or falls below the high and low alarm levels. This option requires a DC power supply.

3. Pulse Output

In place of the high alarm option, scaleable pulse output is available for transmitting to remote instrumentation. This option requires a DC power supply.

Construction

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



202Di Rate Totaliser

Specifications

Display: LCD which is continuously powered

Resettable total: 7 digits 10mm high

Resettable from the front panel

Accumulated total: Displayed when the ACCUMTOT

(Non resettable) button is pressed Rate: 4 digits 8.5 mm high

K-factor: The pulses per unit of measurement (eg

pulses/litre) is programmable in the range

0.0000001 to 999,999

Decimal points: Decimal point positions are selectable

for both rate and total

Timebase: Rate can be displayed in units per second

minute, hour or day

Frequency range: 0.01 to 5 kHz

Signal type: Switch settable for sinewave (15mV peak

to peak min), open collector, reed switch

or pulse.

Batteries

Type: Two lithium battery packs
Battery life: Battery life is dependent on the

percentage of time that the instrument is

totalising flow.

Time Totalising	Typical Battery Life
10% of the time	5 years
50% of the time	3 Years
Continuously	2 Years
4-20 mA option	indefinitely
installed	indomineory

4-20mA Option

Scale: The 4mA and 20mA points are selectable

Accuracy: 0.1% of span
Update Time: 0.5 seconds
Connection: Two wire
Loop Power Supply: 9-28V dc

DC Power & Flow Alarms / Pulse Output Option

Outputs: Two open collector outputs are

available for high and low flow alarms or pulse output and low

alarm.

Switching power: 200mA. 30V DC Max

DC power input: 9-28V at 4mA

Physical

Temperature: -20°C to 60°C

Mounting: Universal mounting bracket

supplied for mounting on wall

or panel.

Mounting options

available:

1. Pipe mounting kit to fix the unit on to a pipe.

2. Adapter for mounting the instrument on to flowmeters.

Protection: Sealed to IP67
Cable entry: Via cable glands.

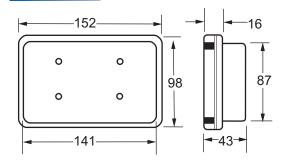
Hazardous Area Approval

ATEX II 2G EEx ia IIB T3

Maximum temp. 60°C

Max input parameters for certified coils:

Dimensions



All dimensions in mm.

Contact our flow measurement specialists for advice on your application

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e:mail sales@apolloflow.co.uk

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Approved Intrinsically

ATEX

Safe

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