

Flomec LCD display FRT12 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, cumulative total and instantaneous flow rate in engineering units as programmed by the user.

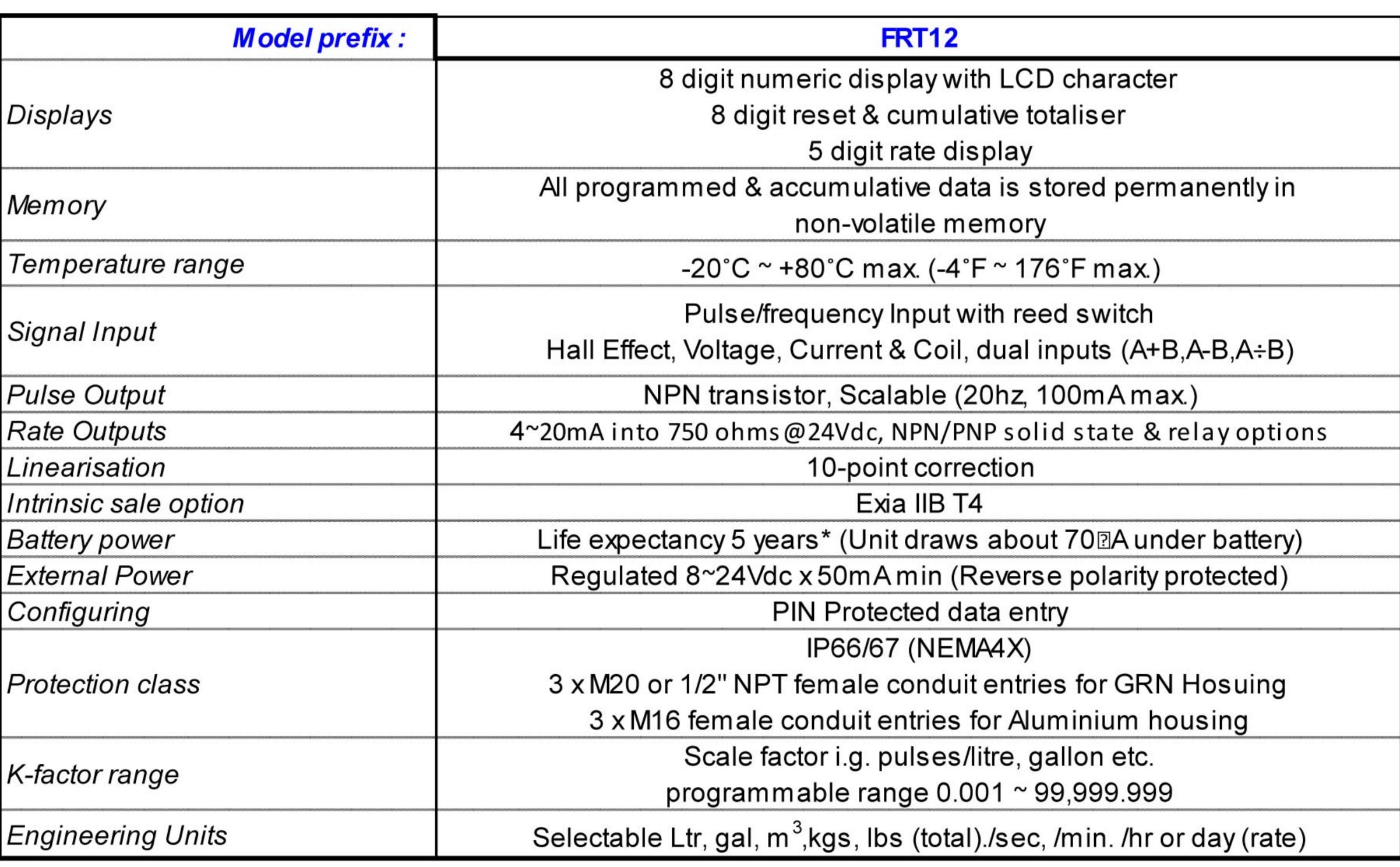
Outputs (Under external power)

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 long distance & is NPN/PNP selectable (current sinking or current sourcing).

Features /Benefits

- Self or external powered, 8 digit LCD total & 8 digit cumulative totaliser, 5 digit rate display
- Robust IP66/67~NEMA 4X universal mount or DIN Panel mount version
- Aluminium/GRN field & panel mountable housing
- Scaled pulse, 4-20mA (Loop Powered) Output,
 Dual flow inputs (A+B, A-B, A+B), multi point linearization of flow input or frequency inputs
- High & low flow alarms & Low Frequency cutoff
- PIN protected programming
- Simple flow chart touch key programming
- Reverse polarity protection
- Non volatile memory, Long battery life
- Relay board with SPDT outputs (Optional)
- Flowmeter & pipe mount kits available
- Optional Intrinsically safe version to Exia IIB T4 version (IECEx & ATEX approved)



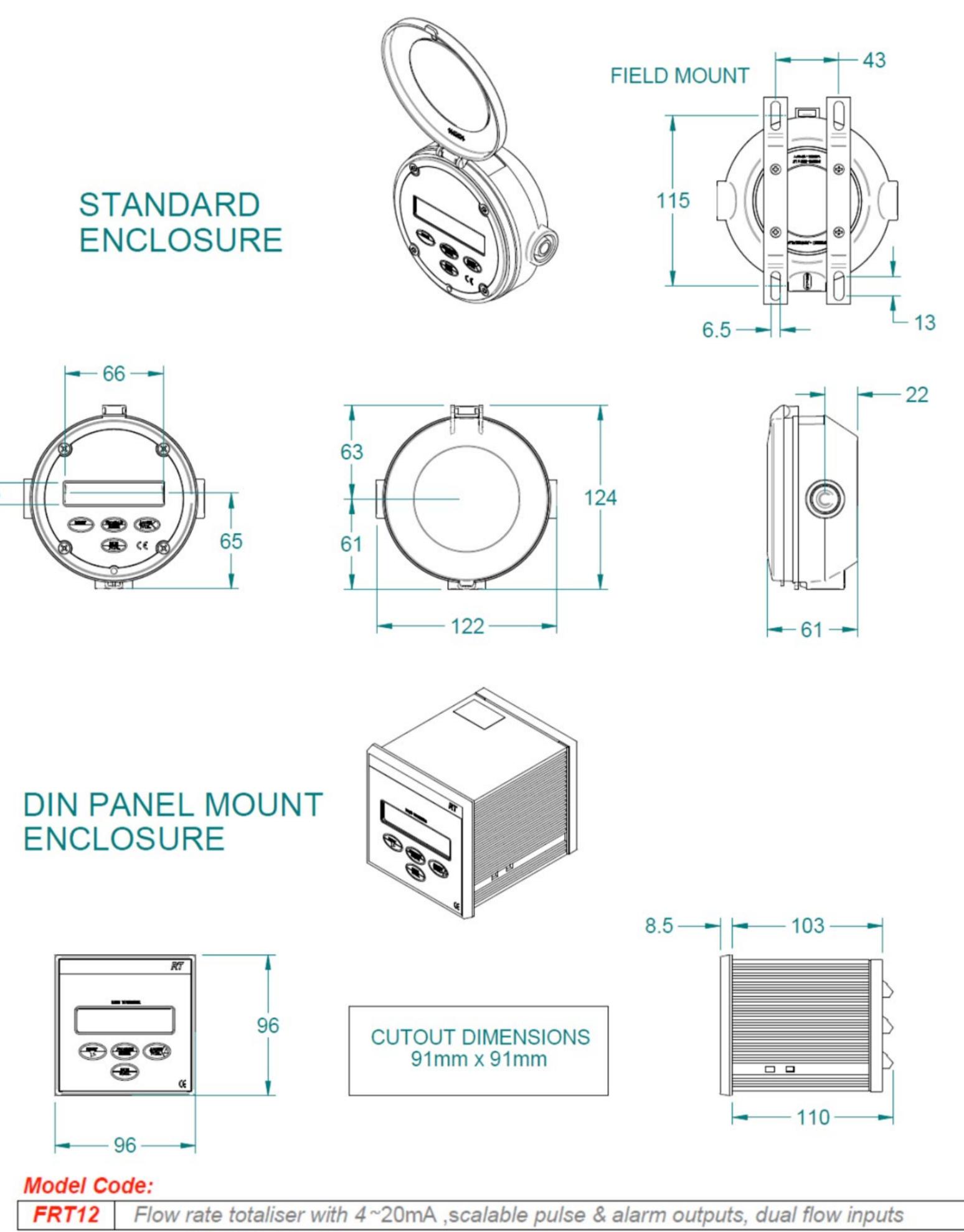


^{*} Battery life reduces when rate is more often displayed & there is no external power connected.





Over all Dimensions:



Electrical access

M20 x 1.5mm (M16 x 1.5 for Aluminium housing) female threaded conduit entry ports
 1/2" NPT female threaded conduit entry ports (Not available on aluminium housing)

Flow Input type

Digital (pulse or frequency)

Power supply

O Self powered (battery) or regulated 8~24 Vdc

Housing type

FM Universal mount (field or panel) - GRN Housing

MM Integral meter mount- GRN Housing*

FA Universal mount (field or panel) - Aluminium Alloy Housing*

MA Integral meter mount- Aluminium Alloy Housing*

* Only order MA when retro fitting instrument to OM series pulse meter

Electrical options

R Control output relay board interface with two SPDT relays
 I.S intrinsically safe to Exia IIB T4 - IECEX & ATEX approved

Mechanical options

Facia protector - for Aluminium housing only (3mm clear polycarbonate protection plate)

Model No. Example FRT12 1 D 0 FM - 1

Other Instruments also available:

- Battery totalisers (FBT11)
- Automatic batch controllers (FEB10)
- Flow rate totaliser with backlit large digit LCD, alarm & scalable outputs (FRT40)







