

Flow Rate Totaliser / Batch Controller

Trimec LCD display FRT 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 accumulated total and instantaneous flow rate in engineering units as programmed by the user.

Outputs (Under external power)

A scaled pulse output can be transmitted over long distance, analogue and alarm outputs are also available.

Features / Benefits

- Self or external powered, 7 digit LCD display
- Robust IP66/67~NEMA 4X universal mount GRN field or Meter mountable housing
- Scaled pulse, 4-20mA Output,
- High & low flow alarms
- Simple flow chart touch key programming
- Reverse polarity protection
- Non volatile memory, Long battery life
- Flowmeter & pipe mount kits available
- Bright LED backlight



Specification

Model prefix:	FRT
Displays	7 digits flow rate, total, accumulated total, alarm values and preset
Memory	Non-volatile backup of all settings. Backup of running totals every minute. Data retention at least 10 years.
Temperature Range	-20°C to + 60°C (-4°F to +140°F)
Signal Input	Coil / sine wave (sensitivity: 80mVpp), NPN, PNP, Reed Switch, Namur
Pulse Output (ALP & BC option)	Two passive transistor outputs (NPN) - not isolated. 300mA, max 30V per output
Rate Output (AP option only)	One passive transistor output (NPN) - not isolated. 300mA, max 30V per output
Battery Power	1 x 3.6V AA Lithium battery - life-time depends upon settings and configuration - up to approx. 2 years.
External Power	10 - 30V DC. Standard consumption: Pmax 60mW. with backlight: Pmax 435mW
Configuring	Configuration settings can be pin code protected
Protection Class	GRP, IP65 (Type 4), UV-resistant and flame retardant
K-factor Range	0.000010 ~ 9,999,999 with variable decimal position
Engineering Units	L, m ³ , US gal, igal, Oil bbl, kg, lb. or none (for 00 option are also available: mL, g, ton, cf)

Ordering Information

FRT	Basic Flow Rate Totaliser
------------	---------------------------

Functions / Outputs

00	No Output - Display Only
AP	4 - 20mA Output Proportional to Flowrate & Scaled Pulse Output
ALP	Alarm and / or Scaled Pulse Output
BC	2 Stage Batch Control

Electrical Access

0	None
1	M16 Cable Gland

Flow Input Type

A	Analogue
D	Digital

Power Supply

0	Self Powered or Regulated 10 - 30V DC
----------	---------------------------------------

Housing Type

FM	Universal Mount (Field or Panel)
MM	Integral Meter Mount

Model No. Example

FRT	-	AP	-	0	D	0	-	MM
------------	---	-----------	---	----------	----------	----------	---	-----------

DSFRT - 1805

Trimec Europe Ltd
 Unit 2, The Old Grain Store
 Ditchling Common Industrial Estate
 Ditchling, East Sussex
 BN6 8SG
 Phone: +44 1444 248777
 Fax: + 44 1444 243750
 sales@trimec-europe.com

Distributed by: