

ME5-F - Flowrate LCD Indicator

DATA SHEET

FEATURES

- 5 digit LCD function display for Flowrate Pulse output. Fully programmable functions.
- Internal Battery, or external 5-25 VDC or 240 vac supply input.
- IP65 enclosure, with cover to protect LCD from UV light.
- Side lugs for mounting.
- Compatible with most pulse output flowmeters.
- Australian-made, by Manu Electronics.



The ME5-F is designed to operate with a wide range of pulse/signal output or coil output flowmeters, providing an instantaneous Flowrate reading. The ME5-F is supplied with the LCD display programmed to show Flowrate in one of a number of different indicated values. Power is via either an internal Lithium battery with a life of up to 10 years, or via external 5-25 VDC supply or 240 vac supply. The ME5-F will accept flowmeter input pulses from 0.2 to 2,000 Hz (Note: for steady flowrate calculations, need at least 2 Hz input). The ME5-F is housed in a compact IP65 Polycarbonate enclosure with moulded mounts, which allows the ME5-F to be used in a wide range of field applications. All application parameters will be pre-programmed according to your requirements, including display unit preferences and the flowmeter K-factor. Scaling can be recalibrated if necessary, using internal key pads.

Technical/Electrical Specifications

Display LCD, 10mm high digits.

- **Flowrate**
 - 5 digits up to 2 decimal points, in Millilitres, Litres, Kilotres, Megalitres per Second, Minute, Hour (subject to flowmeter ranges)

Power Options

- Battery
 - 3.6v Lithium battery (typical 5 -10yrs life). (Suitable for Reed or Coil flowmeters only).
 - automatic sleep mode to preserve battery power (only if Battery powered).
 - consumption: 80µA during 'on' state while counting, 10µA in dormant state.
- External power DC
 - +5 to 25 VDC (supplies same voltage level to flowmeter)
- External power AC
 - 240 vac (supplies 15 VDC to flowmeter)

Output (optional) Scalable via program.

- Pulse output
 - Non-isolated 5-25 VDC. Maximum 100Hz, 100mA. 5ms fixed pulse width.
 - 50% duty cycle at 100 Hz.

Enclosure

- Dimensions (mm)
 - 120 Width, 95 Height, 60 Depth
- Rating IP66
 - Waterproof Polycarbonate enclosure. Protective cover and external mounting lugs.
- Access
 - 4 removable stainless steel screws to access internal programming and wire-up.
- Electrical connection
 - IP67 cable gland entry (1 entry if Battery powered, 2 if externally powered).
 - screw terminal connections.

ME5-F FLOWRATE LCD Indicator – Product Order Codes

ME5 – F – power – No. of decimal places – units – timescale – option

	↑	↑	↑	↑	↑
Battery = B	0	MilliLitres = ML	S = Seconds	P =	
external DC power = D	1	Litres = L	M = Minutes	Pulse	
external AC power = A	2	KiloLitres = KL	H = Hours	Output	
		Megalitres = M			

e.g. "ME5-F-D-2-L-M" is ME5-F Flowrate Indicator, externally DC powered, with display to 2 decimal places showing Litres per Minute



Note: Due to continuous product improvement, specifications are subject to change without notice.

ManuFlo®™

Flow Measurement Products

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