

LM.FlowPod

Display Instrument with Flow rate/Accumulated flow display and linearisation.	
Display:	Large 8 digit LCD display with identification of displayed value e.g. ml, litres or m ³ - as well as other functions such as alarm status.
Control panel:	Programming by RS485 MODBUS or 3 reed switches operated by external magnets.
Outputs:	Standard 2 channel flow alarm with SPCO relays (rated 240Vac 5A resistive and 3A inductive loads). Can also be configured for flow status and/or valve leakage. Pulse, 4-20mA, MODBUS as standard.
Linearisation:	16 data points of linearisation is included for optimization of the flowmeter output characteristic.
Casing:	145 x 125.5 x 110 mm (5.7" x 4.9" x 4.3") L x H x D. Blue, epoxy coated, aluminium.
Mounting:	Wall Mounting only;
Operating Temperature:	-30°C to +60°C
Power supply:	24 V dc.
Configuration:	Configuration is done at SETUP-level programming mode (passworded)
Pulse input::	Litre Meter pulse; TTL (0-5V, up to 0-30V); NPN open collector; PNP and reed switch.
Frequency range:	0.001 – 1999.9 Hz programmable – input up to 2 kHz.
Supply	Sensor supply voltage 15V DC - max. 50mA
Instructions:	LM05xx
OPERATOR FUNCTIONS:	
TOTAL:	13mm minimum character-size - 8 digits. Flow rate & total simultaneously.
Measuring units:	ml, litres, gallons, m3, USgal, kg and no unit, many others factory programmable.
Number of decimals:	Maximum: four. TOTAL is resettable from the front panel (password protected) or remotely via the rear terminals. If the unit rolls over 999,999 litres, it will automatically change the display to 1000.00m ³ .
FLOWRATE:	5 digits;
Time units:	Seconds, minutes, hours, days.
Number of decimals:	Maximum: Four
Rolling Average:	Adjustable - to smooth out flow fluctuations – works on display and outputs.
On-site calibration:	Mode to assist user on-site providing display of test time and test pulses counted, control relay output available.
Programming	Includes ability to enter flow and time units; flow points; alarm points and outputs
OPTIONS	
/E Analogue Output:	0-5Vdc, 0-10Vdc output etc.
/OC Pulse Output: /RC relays	Reed switch or open collector output. Scalable in relation to accumulated total: ie/ pulse per X quantity - pulse on-time adjustable. <u>Reed Switch</u> : volt-free 100Vdc at 0.5A for non-inductive loads. Max switching power is 10W. max freq 4Hz. <u>Open collector</u> : NPN transistor with emitter common to 0V. Rated max 100mA 50Vdc 125mW max. internal power dissipation.
/PR	Interfacing with a printer