

LM.Micro.BDC60

M.BDC60 Batching Instrument with Flow rate/Accumulated flow display and linearisation.

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| Display: | Large 8 digit LED display with identification of displayed value e.g. ml, litres or m ³ - as well as other functions such as alarm status. |
| Control panel: | Three/six micro-switch keys with UV-resistant polyester keypad. |
| 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 & 0-5Vdc options – see below |
| Linearisation: | 16 data points of linearisation is included for optimization of the flowmeter output characteristic. |
| 60 Casing: | DIN 192 x 96 x 100 mm (7.6" x 3.8" x 4") L x H x D. |
| Mounting: | Panel Mounting (184 x 92 cut-out) only; |
| Operating Temperature: | -30°C to +60°C |
| Power supply: | 24 V dc or 95-265 V ac |
| 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: | |
| BATCH/TOTAL: | 13mm minimum character-size - 8 digits. Switched-to-read with flow rate total and batch set. Flow rate, total, batch quantity and batch set are sequentially selected. A "change batch" key and easy method of varying the batch quantity add to the user friendly facilities offered. |
| Measuring units: | ml, litres, gallons, m3 or kg and no unit, others optional. |
| Number of decimals: | Maximum: three. TOTAL is resetable 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 . |
| Batching Relays | An open collector output is provided to confirm start/stop events. Calibration programmes remove the problem of batch over-run that takes place at the end of the batch or at any "stop batch" operation. A routine is included for detecting inconsistent batch valve closure. An LED provides a warning if the batch does not correctly terminate. Calibration facilities are extensive. The unit displays pulses from the flowmeter and the accurate batch time to establish the calibration value. |
| Remote Start and stop | Available from rear terminals. |
| FLOWRATE: | 5 digits; switched-to-read with Total. |
| 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. |
| Test routine: | Display function via front panel TEST keypad |
| Programming | Includes ability to enter flow and time units; flow points; alarm points and outputs |
| OPTIONS | |
| /I Analogue Output: | (0)4-20mA output (current sourcing with +24V supply to loop) |
| /E Analogue Output: | 0-5Vdc, 0-10Vdc output etc. |
| /OC Pulse Output: /RC relays | Reed switch or open collector output. Scaleable in relation to accumulated total: ie/ pulse per X quantity - pulse on-time adjustable. Reed Switch : volt-free 100Vdc at 0.5A for non-inductive loads. Max switching power is 10W. max freq 4Hz. Open collector : NPN transistor with emitter common to 0V. Rated max 100mA 50Vdc 125mW max. internal power dissipation. |
| /RS232m | Interfacing with RS232/RS485for monitoring and control |
| /PR | Interfacing with a printer |