

## MT-02 series Electronic Control Units

The MT-02 series are panel mounting micro-processor based control instruments for batching control. They are fully user programmable and will adapt directly to any TM-44 turbine, COVOL, TTL output, or equivalent pulse generating output transducers.

### Applications

- Automated process control in any industry with batching or volume control.

### Benefits

- Very simple to use.
- Bright LED display, 7 digit data, 1 digit mode.
- Direct interface to Turbines, Covol etc.
- Fully programmable by user.
- Battery back-up stores all data on power failure.
- Volume totalizing counter.
- Volume partial counter.
- Batching relay.
- Remote start push button for batching.
- Standard DIN 96 x 96 panel mounting.
- Plug in connections with screw terminals for easy installation and maintenance.
- Dual relay version for fast approximation and slow finish (two control valves).
- Centesimal version for small flowmeters.
- Optional interface with 12 and 5 volt proximity detectors.



### Technical Data

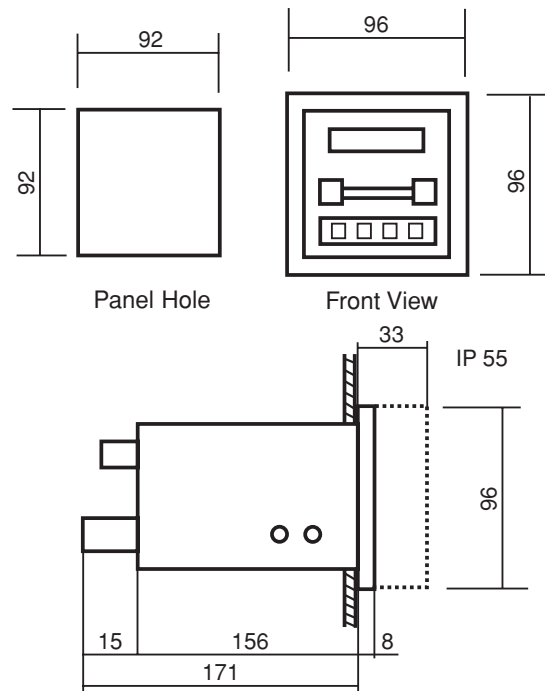
- |                      |   |                      |   |
|----------------------|---|----------------------|---|
| • Power supply       | 110, 220, 240, 24 V ac 50-60 Hz<br>12, 24 V dc        | • Remote batch start | By means of a push button   |
| • Power consumption  | < 1 VA  | • Precision          | No lost pulses  |
| • Input signal TM-44 | 20 mV...3 V ac, 0....2000 Hz                          | • Temperature range  | -10°C..... 60°C   |
| • Input signal COVOL | Reed contact, 0.... 100 Hz                            | • Relay              | 1 A, 250 V ac, 200 VA   |
| • Input signal TTL   | 5 V, 0....10,000 Hz                                   | • Litres per pulse   | 0.00001.....99.99999 Standard<br>0.0000001..0.9999999 Centesimal                        |
|                      | Version for open collector pulse generators (MT-02/5) |                      | Standard version works in litres, Centesimal version works in litres with two decimals. |



## Ordering Information

MT-02/ a / b / c / vvv

- a** = **Number of relays**  
 = 1 for one relay version  
 = 2 for two relay version
- b** = **Software version**  
 = S Standard version  
 = C Centesimal version  
 = P With password
- c** = **Input Type**  
 = 1 COVOL  
 = 2 Turbine Pick-up  
 = 3 TTL  
 = 4 for 12 volt proximity detectors  
 = 5 for 5 volt pulse generators or open collector
- vvv** = **Power supply voltage**  
 = 110 110 V ac 50-60 Hz  
 = 220 220 V ac 50-60 Hz  
 = 240 240 V ac 50-60 Hz  
 = 024 24 V ac 50-60 Hz  
 = 24d 24 V dc  
 = 12d 12 V dc



Tecfluid designs and manufactures measuring instruments for liquids and gases, employing the most advanced technologies.

### Flowmeters

- Tapered metering tube in Borosilicate glass
- Tapered metering tube in transparent plastic
- Variable area with metal metering tube and indication by magnetic transmission
- Target disc with indication by magnetic transmission
- Orifice plate with by-pass flowmeter
- Electromagnetic flowmeters
- Vortec

### Counters

- COVOL (rotating piston volumetric counter)
- TM-44 (turbine type flowmeter)

### Levels

- Limit switches
- Level indicators
- Level transmitters with analog output (4-20 mA etc.)

### Electronic Equipment

- APTM44 - Pulse amplifiers
- MC-01 - Programable flow indicators with batching
- MT-02 - Programable counters for batching
- CI420 - Programable frequency to analog output converters (4-20 mA etc.)
- DFD - Programable frequency dividers

We are at your service, please consult us.  
 TECFLUID develops and manufactures instruments for gases and liquids, using the most advanced techniques.  
 Request Information by telephone nº (34 3) 372 45 11



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The technical data in this pamphlet is subject to modification without notification, if the technical innovations in the product or manufacturing processes so require.