

TVF SERIES

Flow Display - Batcher - Totalizer

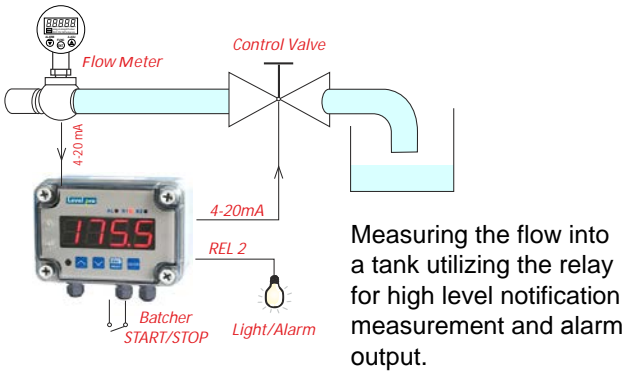
- Super Bright LED Digits
- NEMA 4X Enclosure
- Security Protection

TVF Series is a flow display + controller + batcher housed inside a heavy duty NEMA 4 wall mountable enclosure. The TVF is designed to work in tandem with flow meters (Pulse - 4-20mA - Voltage) Outputs



- ### FEATURES
- Flow Rate, Totalizer, Batcher
 - 4-20mA + 1 Relay or 2 Relay Outputs
 - Power Supply Output 24V DC
 - 16 Digit Totalizer
 - Display of Instantaneous Flow Rate and Flow Total
 - Batching and Counting of Doses
 - Pulse, 4-20mA, or Voltage Input

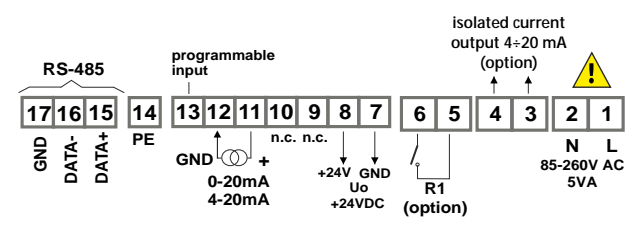
TYPICAL APPLICATION



SPECIFICATIONS

Power supply	85 - 260V AC
Display	LED, 6 x 13 mm high, 8 Levels of Adjustable Brightness
Displayed values	0 - 999999 + decimal point
Input	Current: 4 - 20 mA, or Frequency Pulse,
Accuracy	0.1% @ 70°F ± one digit (for 0 - 20 mA range)
Stability	50 ppm/°C
Counter capacity	Total flow: over 4 x 10 ⁹ (max. 16 significant digits)
Readout precision	Instantaneous flow values: selected in the 0 - 0.000 Decimal of unit Total flow and batcher: selected in the 0 - 0.000 of unit
Units	Instantaneous flow values: GPM, LTR'S Total flow and batcher: GPM, LPM
Outputs (option)	2 x Relays (5 AMP) , 4-20mA + 1 Relay (5 AMP)
Passive Current Output (option)	4-20mA Operating Range Max. 2.8 - 24 mA, (available with 1 relay or OC output, see ordering)
Power supply output	24V DC +5%, -10% / max. 100 mA, stabilized
Communication interface	RS-485, 8N1 and 8N2, 1200 bit/s - 115200 bit/s, Modbus RTU (not galvanically isolated)
Data memory	Non-Volatile Memory, EPROM
Operating temperature	-40 - 158 °F (-40 - 70 °C)
Storage temperature	-40 - 158 °F (-40 - 70 °C)
Protection class	NEMA 4X
Wall Mounted Case	Polycarbonate
Dimensions (WxHxD)	110 x 105 x 67 mm

PIN ASSIGNMENT



ORDERING

Part Number	Input	Output
TVF-500-1121	4-20 mA	2 Relay
TVF-500-1129	4-20 mA	4-20mA + 1 Relay
TVF-500P-1421	Pulse Input	2 Relay
TVF-500P-1429	Pulse Input	4-20mA + 1 Relay