

# FLOW DISPLAY, BATCHER, TOTALIZER

## Flow Meters

Heavy Duty Nema 4X Enclosure

Large Bright LED Display

IR Remote Controller IRC-20 (option)



Push Buttons

Corrosion Resistant Captive Screws

Remote controller is not a part of the device and is available on request as optional accessory.

## TVF SERIES - SIMPLE PLUG & PLAY DESIGN

- ▶ Flow Meter, Batcher, Totalizer
- ▶ 2 Relay Outputs
- ▶ Power Supply Output 24V DC
- ▶ RS-485 / Modbus RTU Standard
- ▶ Display of Instantaneous Flow Rate and the Total Flow Values
- ▶ Batching and Counting of Doses
- ▶ 4-20mA Output + Relay Output

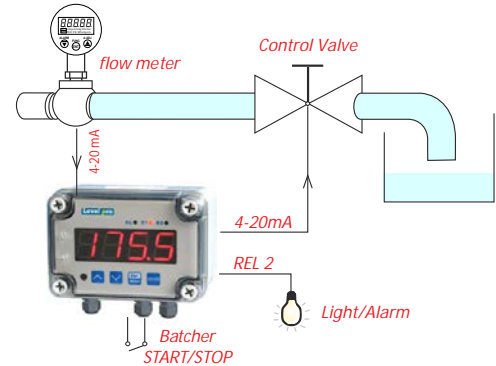
TVF Series is a flow Display Located in a NEMA 4X, wall mounted case (IP 65), designed to work in tandem with Pulse Flow Meters or with current inputs of 0-20 mA or 4-20 mA. The TVF Series Can Totalize Flow for 16 digits.

## TECHNICAL DATA

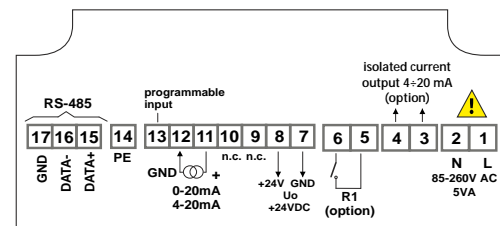
Power supply / Power consumption	85 - 260V AC
Display	LED, 6 x 13 mm high, 8 Levels of Adjustable Brightness
Displayed values range	0 - 999999 + decimal point
Inputs	Current: 0 -20 mA or 4 -20 mA,
Accuracy	0.1% @70°F ± one digit (for 0 - 20 mA range)
Stability	50 ppm/°C
Counter capacity	Total flow: over 4 x 10 <sup>9</sup> (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: I GPM, LTR'S Total flow and batcher: I GPM, LTR'S
Outputs (option)	0 or 2 x REL I <sub>max</sub> =1A,
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, EEPROM type
Operating temperature	-4 - 158 °F (-20 -70 °C)
Storage temperature	-4 - 158 °F (-20 -70 °C)
Protection class	NEMA 4X
Case	Wall-mounted; material: Polycarbonate
Dimensions (WxHxD)	110 x 105 x 67 mm

## TYPICAL APPLICATIONS

Filling a Tank with the Flow Rate Measurement and Alarm Output.



## PIN ASSIGNMENT



## ORDERING

TVF-ITC500P-142X-1-X-XX1

input: \_\_\_\_\_ options: \_\_\_\_\_  
P : Pulse 08 : Operating Temp.  
Nothing : 4-20mA -4 -158 °F (-20 -70 °C)

type of outputs: \_\_\_\_\_ power supply: \_\_\_\_\_  
1 : 2 x REL 4 : 85V - 260V AC  
9 : 1 x REL + 1 x Current Output - (4-20mA)

