

TR-545 Series

Totalizer and Ratemeter

Features

- Totalizer and Rate meter
- Separate scaling factor for counter and ratemeter
- Ratemeter displays frequency or RPM
- Simply press key to switch between counter and ratemeter
- Display range: 0 to 999999
- Screw terminal connections



Description:

The TR-545 is a totalizer and ratemeter. It accepts DC pulse inputs up to 20kHz. It is a perfect solution for all applications requiring the monitoring of rate and total.

Specifications:

Supply voltage: 10 to 30 V DC, with reverse polarity protection
90 to 260 V AC 50/60 Hz
mains hum suppression

Power consumption: max. 2 W/6 VA

Display: 6-digit, red 7-segment LED's
height 14 mm

Data backup: EEPROM

Housing: housing for control panel 96 x 48 mm acc. to DIN 43 700;
RAL 7021, dark grey

Polarity of Inputs: programmable, npn or pnp for all inputs

Input resistance: appr. 10 k Ω

Input frequency: 20 kHz, can be damped to 30 Hz

Reset time: 5 ms

Level of inputs:

DC-version
Low: 0 to 0.2 x UB [V DC]
High: 0.6 x UB to 30 V DC

AC-version
Low: 0 to 4 V DC
High: 12 to 30 V DC

DC Output: 24 V DC \pm 15 %/100 mA (AC powered units only)

Accuracy: Ratemeter: <0,1 %

Ambient temperature: -10 to +50°C

Storage temperature: -25 to +70°C

EMC: according to EC EMC directive 89/36/EWG

Interference emissions: EN 50081-2/EN 55 011 class B

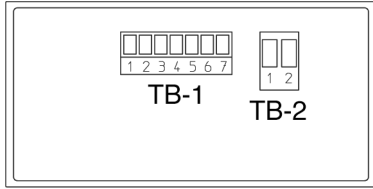
Interference resistance: EN 6100-6-2

Protection: NEMA4/IP65 (front panel)

Weight: appr. 150 g

Wiring Connections

Rear View



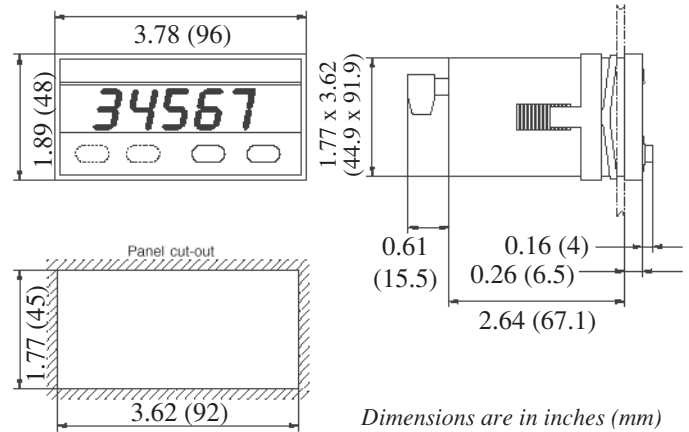
TB-1 Measurement Inputs

Pin	AC-Version	DC-Version
1	n.c.	
2	n.c.	
3	Reset	
4	n.c.	
5	INP	
6	GNDout	n.c.
7	+24 Vout	n.c.

TB-2 Supply Voltage and Outputs

Pin	AC-version	DC-version
1	90 ... 260 V AC	0 V DC (GND)
2	90 ... 260 V AC	10 ... 30 V DC

Dimensions



Order Code

