

Strength sensor TPJ-D



Features

- Powering of 1 to 4 sensors 10 Vdc / 120 mA
- Analog outputs 0 / 10 V and 4 / 20 mA
- No linearity < 0.01 % M.R.

These converters / transmitters belong to a broad range of measuring and process control instruments.

Connectings

	1 to 4 sensors / 350 Ω gauge	Terminals + -
Inputs	10 Vdc supply	1 - 2 3 - 4
	Signal input	6 5
Outputs	0/20 ... 4/20 mA current 0/10 V voltage	9 10 7 8
Power supply	115 / 230 Vac	11 12

Inputs

- Powering of 1 to 4 sensors / 350 Ω gauge
- Excitation voltage 10 Vdc I_{max}. 120 mA
- Gain adjusting range 500 to 2000 (adjusting by potentiometer with slot for screwdriver, accessible on the front face)
- Min. / max. input dynamic 5 mV / 20mV
- Zero adjusting range 0 to 25 / to 50 / to 75% of the sensors reach (adjusting by potentiometer with slot for screwdriver, accessible on the front face)

Outputs

- 0/10 V
and 4/20 mA

LR $\geq 1\text{K}\Omega$
LR $\leq 800\ \Omega$

Transfer

- Zero drift
- Slope drift
- Pass-band
- Noise

$\pm 200\text{ ppm}/^\circ\text{C}$ max.
 $\pm 60\text{ ppm}/^\circ\text{C}$ open loop max.
10 Hz (-3db.) , cut 12 db/octava
1/2000 of the output voltage or current, max. full scale

- No linearity
- Power supply
- Power draw
- Operating temperature

$\pm 0.01\%$ M.R.
230 V (+10/-15%) 50/60 Hz
3 VA
-10/+60°C

General data

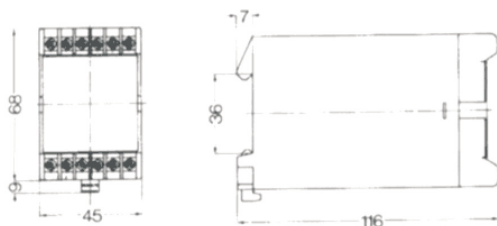
- Weight
- Housing

250g
Brown VO 150 noryl cover, ABS basis (45X68X110 mm)
Maximum section of the leads 2X2,5 mm²
Mounting on DIN rail conform with EN 50022 (3.5X7.5mm)

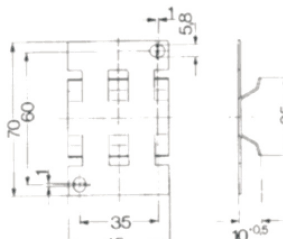
Options

- External taring, multi-turn potentiometer (max. 1 m)
- Power supply 115V/ 50-60Hz by internal modification
- Adapter for wall-mounting

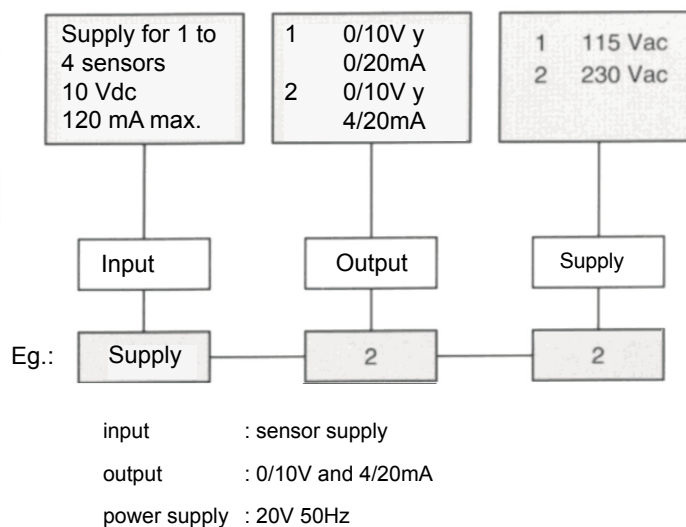
C case dimensions



Adapting plate for
wall mounting



Coding



your representative

ARDETEM[®]

RCS Lyon 444-429-476 - Printed in France.

e-mail : info@ardetem.com
http : www.ardetem.com

Route de Brindas
Parc d'activité d'Arbora N°2
69510 SOUCIEU EN JARREST
- FRANCE -

Tél. : 33 (0)4 72 31 31 30
Fax : 33 (0)4 72 31 31 31