

## MODEL:- TPSC-TX-M

Powered Signal Transmitter & Transmitter Driver Input



### GENERAL DESCRIPTION

The TPSC-TX is a “Universal” powered, three port isolated voltage & current input signal transmitter with the added feature of having a two wire transmitter drive input that offers up to 1500V isolation between ports.  
The input power for the TPSC-TX is not polarity sensitive.

### TECHNICAL DATA

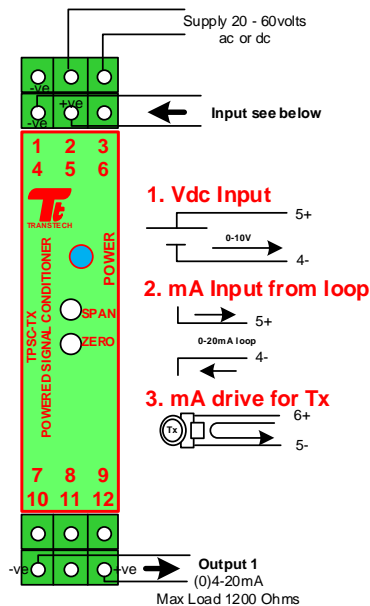
<b>Supply Voltage</b>	24Vac/dc nominal (20V to 60V dc or 22 to 42V ac)
<b>Supply Power</b>	650mW plus loop power
<b>Three Port Isolation</b>	1500V nominal
<b>Input Range</b>	0(4) – 20mA, 0 to 200Vdc or 4-20mA drive
<b>Output Range</b>	0(4) – 20mA, 0 to 10Vdc
<b>Output Impedance</b>	1200 Ohms nominally
<b>ESD Protection</b>	Nominally 15kV (all ports) (IEC 61000-4-2)
<b>Power Indicator</b>	Blue LED

### GENERAL SPECIFICATION

Supply Voltage	10 to 72Vdc
Long term drift	< 0.1% of span per 10,000hrs
Isolation Level	1500V d.c.
Creepage distance	≥2.5mm. (port to port)
Output Noise	3.2µA r.m.s. (typical).
Accuracy	0.1% of span
Linearity	0.1% of span
Repeatability	0.1% over 10,000hrs
CMR (50/60Hz)	Typically 110dB
Response time (to 1%)	Nominally 100mS (10 to 90%)
Operating Temp	-25 to 75 Deg. C
Storage Temp	-55 to 85 Deg. C
Terminals	Self Opening 2.5mm <sup>2</sup>
Housing Material	KRILEN
Dimensions	79mm X 106mm X 25mm
Weight	135 grams

### FEATURES

- ♦ Wide operating supply range 20-60V
- ♦ True three (3) port isolation
- ♦ Port-port creepage distance ≥ 2.5mm
- ♦ Span and Zero on front panel
- ♦ LED for Power ON
- ♦ Optical Isolation
- ♦ CISPIR 11 Compliant
- ♦ IEC61373, EN50155, EN50121-3-2 Compliant
- ♦ DIN rail mounting
- ♦ Very Small footprint of 17.5mm width



### SCHEMATIC DIAGRAM

