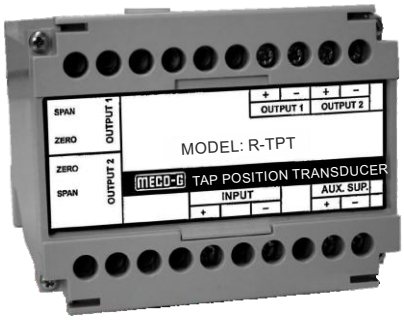
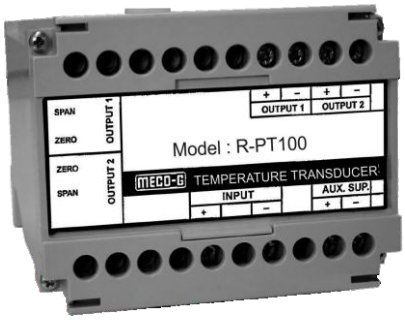
TAP POSITION TRANSDUCER
TEMPERATURE TRANSDUCER

CE



R-TPT



R-PT100

MECO-G Tap Position Transducers and Temperature Transducer measures the resistance and convert the signal into a standard industrial DC signal which is directly proportional to the measured input signal. These transducers provide an output which are load independent and isolated from the input. These outputs are accurate, reliable, consistent and stable and are suitable for Telemetering for remote, local as well as Central Monitoring Systems, Data-loggers, PLC's, SCADA systems and control applications.

GENERAL SPECIFICATIONS

Accuracy	± 0.5% (Standard)
Output Ripple	0.2% RMS
Response	Less than 0.5 Sec.
Zero Adj.	± 2% Min.
Span Adj.	± 10% Min.
Operating Temp.	0-50°C (RH<90%) (Non Condensing)
Storage Temp.	-20°C to 70°C (Non Condensing)
Overload Continuous	2x Rated Current, 1.2x Rated Voltage
Breakdown Impulse Voltage	1x40µs 4.5 KV (without dewing.)
Temperature Coefficient	0.03% / °C.
Dielectric Withstand Voltage	2KV for 1 min. (Standard), 4KV (Optional) across Casing - Input / Output / Auxiliary
Insulation Resistance	>100 MΩ at 500VDC

TYPE	MODEL
Tap Position Transducer	R-TPT
Temperature Transducer	R-PT100

INPUT
R-TPT
Potentiometric Resistance input from transformer tap position. Upto 99 transformer taps 100 KΩ max
R-PT100
Resistive Input from PT-100 sensor

AUXILIARY POWER SUPPLY
0-110 / 220VAC ± 10% 50/60 Hz Approx.
85-264V AC/DC ± 10%
19-90V AC/DC ± 10%
0-24 / 48 VDC ± 10% 2Watts Approx.
0-110V DC ±10% 2 Watts Approx.
0-220V DC ± 10% 2 Watts Approx.

DC OUTPUT RANGES			
Current		Voltage	
Output	Load	Output	Load
0-1mA	≤10kΩ	0-1V	≥1kΩ
0-5mA	≤2kΩ	0-5V	≥5kΩ
0-10mA	≤1kΩ	1-5V	≥5Ω
0-20mA	≤500Ω	0-10V	≥10kΩ
4-20mA	≤500Ω	2-10V	≥10kΩ

Note:
1) Asymmetrical / Symmetrical output transducers are available.
2) Other auxiliary Power supplies available, subject to technical feasability.
3) Other ranges (Inputs / Outputs) available on request, subject to technical feasability.

CONNECTION DIAGRAM