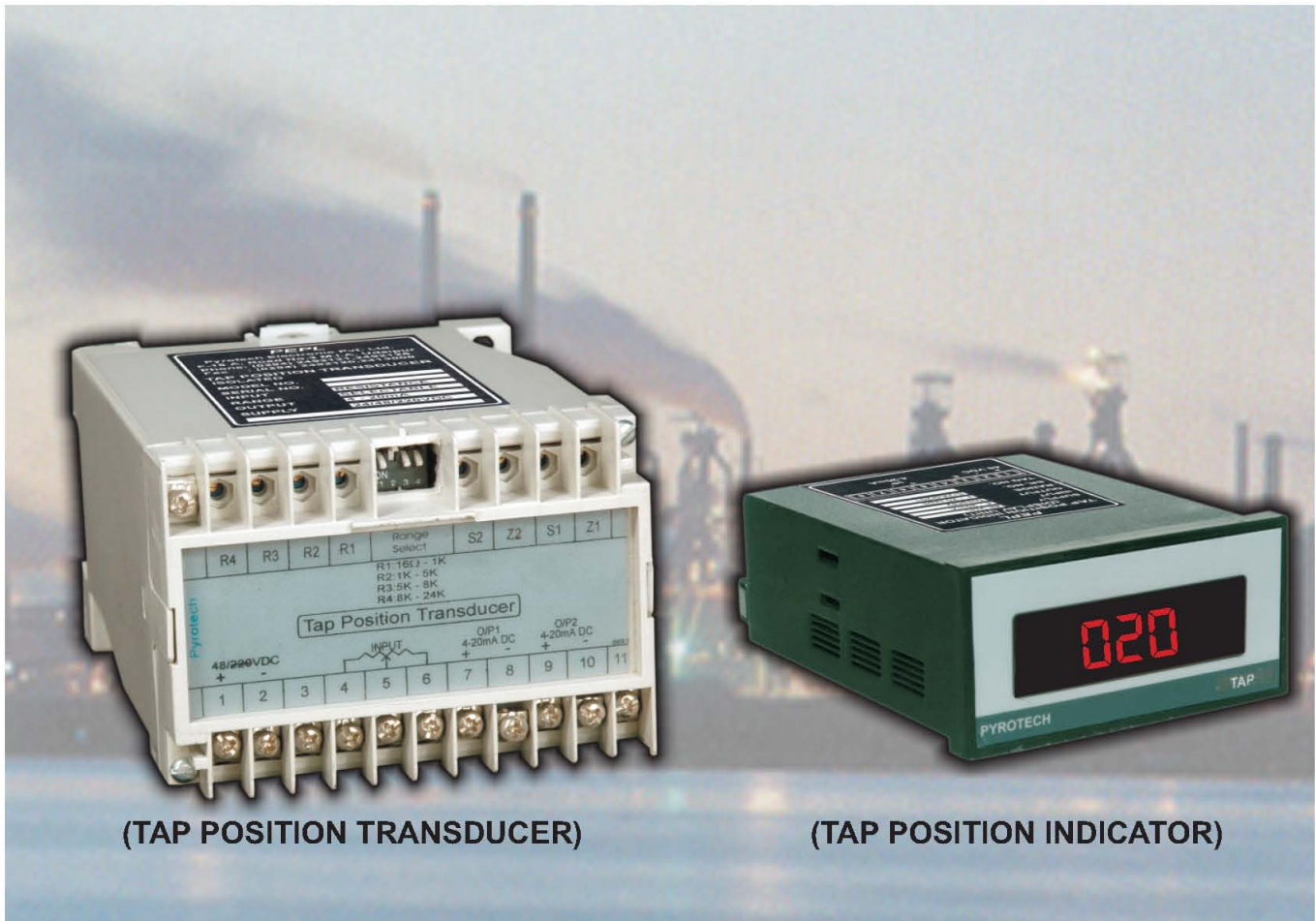


TAP POSITION TRANSDUCER

“PEPL” make Tap Position Transducers are highly accurate, cost effective and compact. These are available in Din rail mounted version. It receives “resistance” input corresponding to tap position transducer and gives 4-20 mA output signal, that is galvanically and optically isolated. The output signal varies linearly with the input signal. The output of Tap Position Transducer can be fed to PLC, Controllers, Recorders, etc.

TAP POSITION INDICATOR

“PEPL” make Tap Position Indicator is designed for front of panel mounting in industrial environments. It receives input 4-20 mADC from “Tap Position Transducer” and display corresponding value in the range selectable through DIP switch. Four different ranges can be selected through zero-span pot.



(TAP POSITION TRANSDUCER)

(TAP POSITION INDICATOR)

Features :- Transducer

- ✓ Output 4-20 mADC (Dual)
- ✓ Range selection by DIP switches.
- ✓ Four ranges are tunable at site in 25 steps.
- ✓ Galvanic & optical Isolation between input & output.

Features :- Indicator

- ✓ Long term stability.
- ✓ High accuracy.
- ✓ Auto zeroing and auto polarity.
- ✓ Zero/Span adjustment possible.

Pyrotech

PEPL PRODUCTS CARRY
* 3 Years warranty
* 5 Years, Free after sales service at our site.
"Just Buy and Relax"



SPECIFICATIONS : Transducer

Model	Trans-Tap-100.	Max. power consumption	< 4 W.
Type	4 wire.	Ambient temp.	0-55 °C.
Input range	The transducer has four ranges : a) 16Ω - 1kΩ. b) 1kΩ - 5 kΩ. c) 5kΩ - 8kΩ. d) 8kΩ - 24 kΩ. Each range is tunable at site in 25 steps.	Humidity	5-95% RH.
Supply	48 VDC, 230/110 VDC/VAC.	Accuracy class	0.5.
Output-1	4-20 mA DC (For RTU).	Recovery	Within 0.2% after 12 hours.
Output-2	4-20 mA, corresponding to tap position to indicate the position of (6,12,18,24) taps.	Response time	Within 0.5 second.
Adjustments	Through zero, span & range pots.	Line voltage variation	0.1% (within ± 10% change).
Output ripple	Less than 0.1% of span (i.e. .02 mA).	Burnout protection	Down scale.
Change in load effect	± 0.1% upto 750Ω.	Anti-humidity treatment	Acryform conformal coating on PCB.
Isolation	Galvanic & Optical isolation between input & output.	Impulse voltage	5 KV, 1.2 / 50 microsecond, 0.5 joules.
Insulation resistance	> 100 MΩ at 1000 VDC.	Output load (Rout)	10 V / Iout.
		Mounting	Din rail.
		Terminal	Suitable for conductors upto 2.5 sqmm.
		Housing	ABS plastic.
		Size	70(D)x100(W)x112(H) in mm.
		Weight	Approx. 1 Kg.

For Example : If second range is selected and there are 25 taps.

then min. value = 41.6Ω/step (1k/24)

and max value=208.3Ω/step (5k/24).

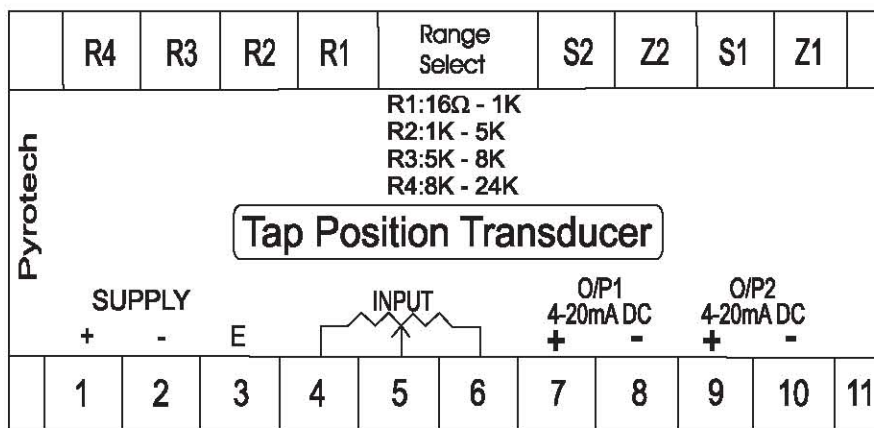
Similarly min. and max. value can be calculated for other ranges, it will alter if taps chosen are different.

The continuously variable ranges (0.66...1000Ω) per step are taken care by providing multiple ranges, which are site selectable.

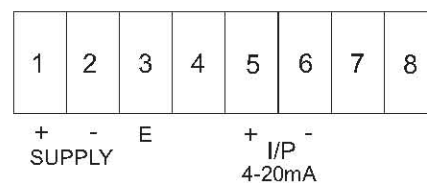
SPECIFICATIONS : Indicator

Input	4-20 mA corresponding to position of indication of 1-25 taps respectively (settable at site).	Display size	0.56", 3 Digit.
Range (Settable through Dip Switch)	1) 1.....6 Taps(Dip Switch1 ON Posi.) 2) 1.....12 Taps(Dip Switch2 ON Posi.) 3) 1.....18 Taps(Dip Switch3 ON Posi.) 4) 1.....25 Taps(Dip Switch4 ON Posi.)	Response time	Better than 1 sec.
		Adjustment	Zero and Span adjustable.
		Power Supply	48 VDC (+10%, -15%), 230/110 VDC/VAC.
		Ambient temp.	0-60 °C.
		Mounting	Panel mounted.
		Size	48(H) x 96(W) in mm.

CONNECTION DIAGRAM : Transducer



CONNECTION DIAGRAM : Indicator



Application Standards : Transducer

- IEC 60688 (Usage group-II).
- IEC 414.
- IEC 68-2-6.
- IEC 68-2-27.
- IEC 801-3.

Specifications are subject to change without prior notice.

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