

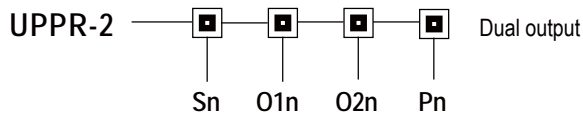
Resistace Isolating Transmitters

UPPR-2



Features

- Tap changer & position application
- Field - rangeability : switchable input & output ranges
- Accuracy 0.2%
- High dielectric strength 4KV AC rms input / output / power / case
- Available standard or custom calibration



Input Ranges	Sn	Output Ranges	O1n/ O2n	Output Ranges	O1n/ O2n	Aux. power	Pn
0~20Ω	A	0~1 V	A	1~5 mA	J	HI	A
0~50Ω	B	0~2 V	B	0~10 mA	K	LO	C
0~100Ω	C	0~5 V	C	2~10 mA	L		
0~200Ω	D	1~5 V	D	0~16 mA	M		
0~500Ω	E	0~10 V	E	0~20 mA	N		
0~1 KΩ	F	2~10 V	F	4~20 mA	P		
0~2 KΩ	G	0~1 mA	G	Specified	Y		
0~5 KΩ	H	0~2 mA	H				
0~10 KΩ	I	0~5 mA	I				
Specified	Y	Specified	Y				

Applied Standards & Rules

- | | |
|-----------------------------|---|
| 1. Measuring and conversion | IEC 688 |
| 2. Dielectrical strength | IEC 688 4 KVac / 1 min. |
| 3. Impulse test | ANSI C37.90a / 1974, IEEE 587 / 1983
IEC 255-4 6KV (1.2 x 50 us), 3KA (8 x 20 us) - current coil |
| 4. Surge test (ring wave) | IEEE 587 / 1983 (3KV - 0.5us / 100KHz)
IEC 255-4 (2.5KV - 0.25ms / 1MHz) |
| 5. Measuring reliability | VDE 3540 |



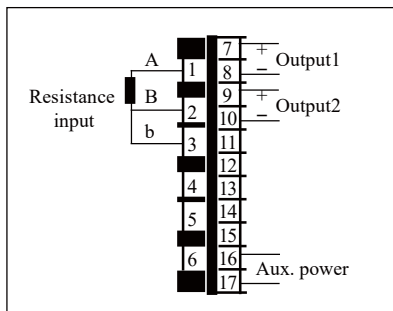
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Specification

Accuracy (23° ± 5°C)	0.2% RO
Linearity & repeatability	0.1% typical
Temperature stability	Maximum 0.008% ro per degree C
Configuration	Two wires or three wires connection Excitation 5 / 0.5mAdc constant current source
Field rangeability	Selectable output mode for voltage or current mode Switchable of input ranges & output ranges Switchable AC power for 110V or 220V
Effect of wire resistance	Automatically eliminated for 3 wire connection Offset recalibration required as for 2 wire connection
Input break detection	Hi-set ≥ 110% of rated output
Power effect	Less 0.003% for per volt change
Output drive capability	Maximum 10mA for voltage mode, maximum 10V for current mode
Response time & ripple	Less 400ms typically, ripple less 0.1% rms of span
Common mode rejection	> 80db 50 / 60Hz
Dielectric strength	3.5KV rms AC between input / output / power / case
Impulse	IEEE 587 / 1983 5KV
Storage condition	Temperature range -25 - +70 °C, RH 20 - 95% non-condensed
Operating condition	Temperature range -20 - +65 °C, RH 20 - 95% non-condensed
Power supply	LO: DC 24 - 60V ± 20% HI : AC 80 - 260V @40 - 70Hz / DC 80 - 330V Dissipation Max. 12VA for AC / 10W for DC
Dimension	WxHxD : 12T (60.6mm) x 3U (128.5mm) x 238mm

Terminal Connection



DC power for terminal 16 (+), 17 (-)

Dimension

