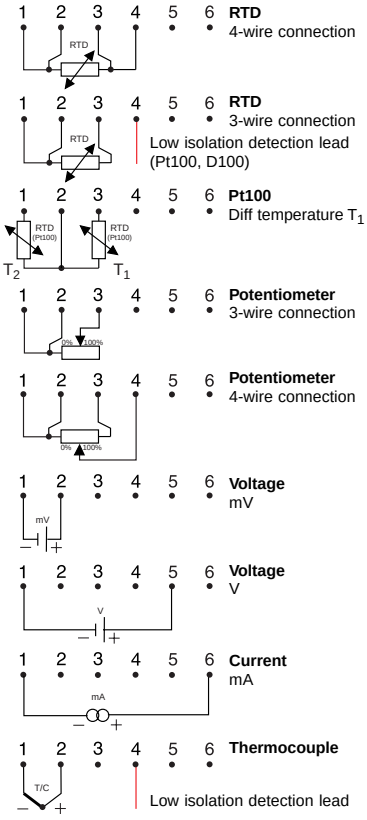
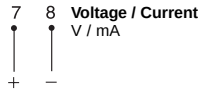
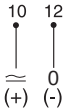
## Input connections



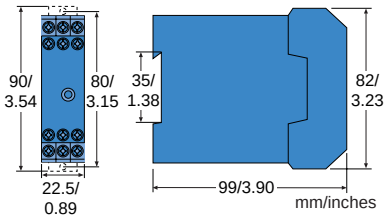

## Output connections




## Power supply




## Dimensions




## Ordering information

| | |
|---|---|
| IPAQ-4L | 70IP4L0001 |
| *(Power supply 90-250 VAC / 110-220 VDC)* | |
| IPAQ-4L | 70IP4L0002 |
| *(Power supply 20-30 VDC)* | |
| IPAQ-4L Datasheet | 86DIQ00022 |

# IPAQ-4L

# Universal high-isolated 4-wire transmitter

IPAQ-4L is a fully universal and programmable 4-wire (mains powered) transmitter. The high isolation provides safe and problem free measurements. Offering both current and voltage output, IPAQ-4L meets any process requirements. Designed for wall and DIN-rail mounting.

- *High level isolation - 4000 VAC*
- *Fully universal and linearized*
- *Accepts RTD, T/C, mV, V, mA and Ohm*
- *Current and voltage output*
- *Sensor and system error correction*
- *Full access to all features while in operation*
- *Consistent sensor break function*
- *Simplified loop check-up with calibration output*
- *Low sensor isolation detection*
- *IPRO, Easy to use Windows configuration software*

## Specifications: *(For detailed specifications, see separate datasheet.)*

| | | IPAQ-4L |
|---|---|---|
| **Input RTD and Resistance** | | 3-,4-wire connection |
| Pt100[1] and D100[2] | | -200 to +1000°C / -328 to +1832°F |
| Pt1000[1] | | -200 to +200°C / -328 to +392°F |
| PtX $10 \le X \le 1000$[1] | | Upper range depending on X value |
| Ni100 (DIN 43760) | | -60 to +250°C / -76 to +482°F |
| Ni1000 (DIN 43760) | | -60 to +150°C / -76 to +302°F |
| Potentiometer / resistance | | 0 to 8000Ω |
| **Input Thermocouple** | | AE, B, E, J, K, L, N, R, S, T, U |
| **Input Voltage** | | -10 to +500 mV / -10 to +50 V |
| **Input Current** | | -1 to +50 mA |
| **Sensor failure / Low isolation** | | User definable output |
| **Adjustments - Zero** | | Any value within range limits |
| **Adjustments - Minimum spans** | | |
| Pt100, Pt1000, Ni100, Ni1000 | | 10°C / 18°F |
| Potentiometer | | 10Ω for R ≤ 2000Ω, 100Ω for R > 2000Ω, |
| T/C, mV | | 2 mV |
| Volt | | 0,25 V |
| Current | | 0.4 mA |
| **Output** | | 0/4-20 or 20-4/0 mA, 0/2-10 or 10-2/0 V |
| **Operating temperature** | | -20 to +70°C / -4 to +158°F |
| **Galvanic isolation** | | 4000 VAC, 1 min |
| **Power supply** | Part no. 70IP4L0001 | 90 to 250 VAC / 110 to 220 VDC |
| | Part no. 70IP4L0002 | 20-30 VDC |
| **Typical accuracy** | | ±0.1% of span |
| **Mounting** | | Rail acc. to DIN EN50022, 35 mm and wall (brackets) |

[1](IEC751, α= 0.00385) [2](Pt100 acc. to JIS1604, α=0.003916)