



MinIPAQ C230

Universal Programmable 2-wire transmitter



MinIPAQ C230 is a universal, programmable non-isolated, temperature transmitter with additional voltage and resistance input. Its robust design and high quality gives good performance and accuracy also under harsh conditions.

MinIPAQ C230 supports communication via NFC (Near-field communication) and Bluetooth® which makes it possible to configure and monitor the transmitter remotely.

- Accepts RTD, T/C, mV and Ω
- Sensor error and system (sensor/transmitter) error correction for highest total accuracy
- Configuration via PC, NFC or Bluetooth® without external power
- Runtime counter - hour counter for elapsed operational time
- Rugged design tested for 10 g vibrations
- High security - Password protection and date of changes logged

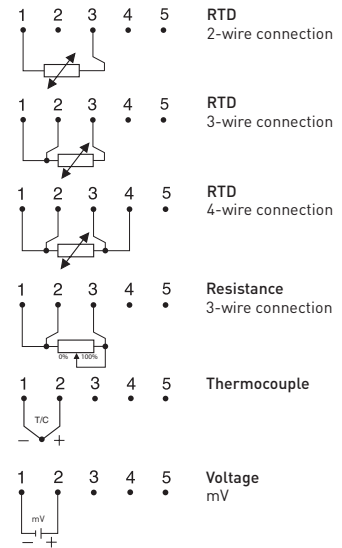
Specifications:

| | |
|--|--|
| Input RTD | 2-, 3-, 4-wire connection |
| Pt100 ($\alpha = 0.00385$) ¹⁾ | -200 to +850 °C / -328 to +1562 °F |
| PtX 10 ≤ X ≤ 1000 ($\alpha = 0.00385$) ¹⁾ | -200 to +850 °C / -328 to +1562 °F |
| Ni100 ²⁾ , Ni120 ³⁾ | -60 to +250 °C / -76 to +482 °F |
| Ni1000 ²⁾ | -50 to +180 °C / -58 to +356 °F |
| Input Resistance | 0 to 4000 Ω |
| Input Thermocouples | Types B, C, D, E, J, K, N, R, S, T |
| Input mV | -10 to +1000 mV |
| Sensor failure | Upscale (≥ 21.0 mA) or downscale (≤ 3.6 mA) action |
| Adjustments - Zero | Any value within range limits |
| Adjustments - Minimum spans | |
| RTD | 10 °C / 18 °F |
| T/C, mV | 2 mV |
| Output | 4-20 mA, temperature linear |
| Operating temperature | -40 to +85 °C / -40 to +185 °F |
| Galvanic isolation | No |
| Power supply | 8.0...36.0 VDC |
| Typical accuracy, (RTD) | Max. of ± 0.15 K or ± 0.15 % of span |
| Connection head | DIN B or larger |

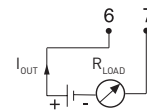
¹⁾ IEC 60751, ²⁾ DIN 43760, ³⁾ Edison Curve No. 7

Input connections

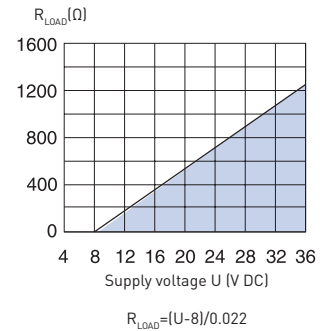
See data sheet for more alternatives



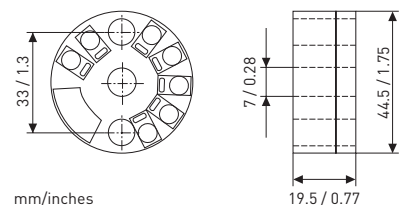
Output connections



Output load diagram



Dimensions



Ordering information

| | |
|---------------------------------------|------------|
| MinIPAQ C230 | 70C2300011 |
| ICON-X, PC configuration kit | 70CFGUSX01 |
| ICON-BT, Bluetooth® configuration kit | 70CFGBT001 |
| Head mounting kit | 70ADA00017 |
| Rail mounting kit | 70ADA00015 |