



PRODUCT OVERVIEW

Temperature Transmitters, Field housing, Indicators, Signal Isolators, Configurations kits, Compact sensors

- Complete range of Transmitters for in-head and DIN-rail mounting
- App for wireless configuration and monitoring via NFC and Bluetooth
- Loop Powered Isolators and Isolation Transmitters
- Field Housing & Indicators
- Compact sensors for OEM applications

Temperature Transmitters



APAQ C/R 130^{TC}

Digital 2-wire Transmitters
for Thermocouple

Input: TC
Output: 4-20mA
Configuration: App (via NFC)
Accuracy TC: Type E, J, K, N:
±1 K or ±0.2 % of span
Type B, R, S, T:
±2 K or ±0.2 % of span



APAQ C/R 130^{RTD}

Digital 2-wire Transmitters
for Pt100/Pt1000

Input: RTD
Output: 4-20mA
Configuration: App (via NFC)
Accuracy RTD: ±0.15% of Span



MiniPAQ C/R 230

Universal Programmable 2-wire
Transmitter

Input: RTD, TC, Ω
Output: 4-20mA
Configuration: PC (via USB interface)
App (via NFC or
Bluetooth®)
Accuracy: ±0.1% of Span



IPAQ C202

Programmable 2-wire Transmitter
for Pt100 sensors

Input: RTD
Output: 4-20mA
Configuration: PC (via USB Interface)
Accuracy: ±0.1% of Span
Approvals: ATEX & IECEx



IPAQ C310^{RTD}

Programmable 2-wire
RTD transmitter

Input: RTD and Ω
Output: 4-20mA
Configuration: PC (via USB interface)
App (via NFC or Bluetooth®)
Accuracy: ±0.1% of Span
Isolation: 1500 VAC



IPAQ C/R 330

Universal Programmable
2-wire Transmitter

Input: RTD, TC, Ω , mV
Output: 4-20mA
Configuration: PC (via USB Interface)
App (via NFC or
Bluetooth®)
Accuracy: ±0.08% of Span
Isolation: 1500 VAC
Approvals: ATEX / IECEx / cFMus





IPAQ C/R 530

**HART® Universal
2-wire Transmitter**

Input: RTD, TC, Ω , mV
 Output: 4-20mA, HART®7
 Configuration: PC (via USB Interface)
 App (via NFC or Bluetooth®)
 HART, DD, DTM
 Accuracy: $\pm 0.08\%$ of Span
 Isolation: 1500 VAC
 Approvals: ATEX / IECEx / cFMus



HART
COMMUNICATION PROTOCOL

NFC



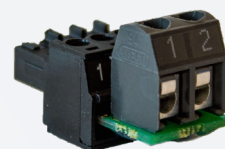
IPAQ C/R 520

**HART® Universal Dual-input
2-wire Transmitter**

Input: RTD, TC, Ω , mV
 Output: 4-20 mA, HART®
 Configuration: PC (via USB Interface)
 HART, DD, DTM
 Accuracy: $\pm 0.05\%$ of Span
 Isolation: 1500 VAC
 Approvals: ATEX / IECEx / SIL2



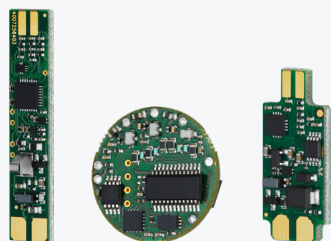
HART
COMMUNICATION PROTOCOL



mA input adapter with IPAQ R330

**Programmable 2-wire mA
transmitter**

Input: -1...+100mA
 Output: 4-20mA
 Configuration: PC (via USB interface)
 App (via NFC or Bluetooth®)
 Accuracy: $\pm 0.1\%$ of Span
 Isolation: 1500 VAC



OEM 202P/R/W

**Digital Temperature Transmitters
to be built in**

Input: Pt100, Pt1000
 Output: 4-20 mA
 Configuration: PC (via USB Interface)
 Accuracy: $\pm 0.1\%$ of Span
 Power supply: 5.0...32.0 VDC

Customizable design to fit your needs



IPAQ R460

**4-wire, High Isolation Temperature
Transmitter**

Input: RTD, TC, Ω , mV, KTY
 Output: 0/4-20mA, 0/2-10V
 Configuration: DIP switch or PC (via USB Interface)
 Accuracy: $\pm 0.1\%$ of Span
 Isolation: 3000 VAC



SR361

Alarm switch

Input: 0[4]-20mA / 0-10V
 Output: 2x relay contact
 250VAC / 6A
 Configuration: Dip-switch
 Accuracy: 0.2% of Span
 Isolation: 4000 VAC
 Power supply: 24 VDC



SR336

Alarm switch

Input: RTD / Resistance 0...3 kΩ
 Output: 2x relay contact
 250VAC / 6A
 Configuration: Dip-switch
 Accuracy: 0.2% of Span
 Isolation: 4000 VAC
 Power supply: 24 VDC

Isolators and Isolation Transmitters



IsoPAQ-611/-612

1- & 2-channel Loop Powered Isolators
 for separation of 0[4]-20 mA Signals

Type: Passive
 Signal: mA
 Isolation level: 3 kv, 50 Hz
 Accuracy: ±0.1% FS
 Working Voltage: 600 VAC/DC
 Housing: 6 mm line



IsoPAQ-610

Transmitter repeater for powering and
 isolation of 2-,3- and 4-wire transmitters

Type: Active
 Signal: Transmitter
 Isolation level: 3 kv, 50 Hz
 Accuracy: ±0.1% FS
 Working Voltage: 600 VAC/DC
 Housing: 6 mm line



IsoPAQ-632

Signal Splitter/Repeater with
 double outputs for mA and V signals

Type: Active
 Signal: mA/V
 Isolation level: 3 kv, 50 Hz
 Accuracy: ±0.1% FS
 Working Voltage: 600 VAC/DC
 Housing: 6 mm line



IsoPAQ-641

High-performance isolation transmitter
 for mA/V Signals with calibrated range
 selection

Type: Active
 Signal: mA/V
 Isolation level: 3 kv, 50 Hz
 Accuracy: ±0.1% FS
 Working Voltage: 600 VAC/DC
 Housing: 6 mm line



IsoPAQ-661

Isolation transmitter for Bipolar and
 Unipolar mA/V signals with calibrated
 range selection

Type: Active
 Signal: mA/V
 Isolation level: 3 kv, 50 Hz
 Accuracy: ±0.1% FS
 Working Voltage: 600 VAC/DC
 Housing: 6 mm line



IsoPAQ-110R

Transmitter Repeater for Powering
 and Isolation of 2-wire Transmitters

Type: Active
 Signal: Transmitter
 Isolation level: 2.5 kv, 50 Hz
 Accuracy: ±0.1% FS
 Working Voltage: 600 VAC/DC
 Housing: Compact line



IsoPAQ-110L

1- & 2-channel Loop Powered Isolators for 0(4)-20 mA Signals

Type: Passive
Signal: mA
Isolation level: 2.5 kv, 50 Hz
Accuracy: $\pm 0.15\%$ FS
Housing: Compact line



IsoPAQ-131P

Isolation Transmitter for Unipolar mA/V Signals with Fixed Ranges

Type: Active
Signal: Transmitter
Isolation level: 3 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 600 VAC/DC
Housing: Compact line



IsoPAQ-21L/-22L

1- & 2-channel Loop Powered Isolators for 0(4)-20 mA Signals with High Isolation and Protective Separation

Type: Passive
Signal: mA
Isolation level: 4 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 600 VAC/DC
Housing: Standard line



IsoPAQ-30P

Basic Isolation Transmitter for Unipolar mA/V Signals with Calibrated Range Selection

Type: Active
Signal: mA/V
Isolation level: 2.5 kv, 50 Hz
Accuracy: $\pm 0.3\%$ FS
Working Voltage: 600 VAC/DC
Housing: Standard line



IsoPAQ-40P

High-performance Isolation Transmitter for Unipolar mA/V Signals with Calibrated Range Selection

Type: Active
Signal: mA/V
Isolation level: 4 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 600 VAC/DC
Housing: Standard line



IsoPAQ-41P

High-performance Isolation Transmitter for Unipolar mA/V Signals with Fixed Ranges

Type: Active
Signal: mA/V
Isolation level: 4 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 600 VAC/DC
Housing: Standard line



IsoPAQ-51P

High-performance Isolation Transmitter for Unipolar mA Signals with Fixed Range and Zero/Span Adjustment

Type: Active
Signal: mA
Isolation level: 4 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 600 VAC/DC
Housing: Standard line



IsoPAQ-60P

High-performance Isolation Transmitter for Bipolar and Unipolar mA/V Signals with Extensive Range Selection and Zero/Span Adjustment

Type: Active
Signal: mA/V
Isolation level: 4 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 1000 VAC/DC
Housing: Standard line



IsoPAQ-80S

High-performance Isolation Transmitter for Bipolar and Unipolar Shunt Voltages with Extensive Range Selection and Zero/Span Adjustment

Type: Active
Signal: V
Isolation level: 4 kv, 50 Hz
Accuracy: $\pm 0.1\%$ FS
Working Voltage: 1000 VAC/DC
Housing: Standard line

Field housing and Indicators



LCD-H300 Aluminium

Field housing

Input: 4...20 mA
 Display: 4-digit LCD with backlight
 Configuration: App (via NFC) or Push-buttons
 Housing: Field housing aluminium, M20 or 1/2" NPT threads



LCD-H300 Stainless steel

Field housing

Input: 4...20 mA
 Display: 4-digit LCD with backlight
 Configuration: App (via NFC) or Push-buttons
 Housing: Field housing stainless steel, M20 or 1/2" NPT threads



LCD-H210

Indicator built into BUZ-HW

Input: 4...20 mA
 Display: 4-digit LCD with backlight
 Configuration: App (via NFC) or Push-buttons
 Housing: Connection head aluminium, Cable entry thread M20x1.5, Process thread M24x1.5



LCD-W110

Wall mounted indicator

Input: 4...20 mA
 Display: 4-digit LCD with backlight
 Configuration: App (via NFC) or Push-buttons
 Housing: Rectangular PC box with 2xM20 cable glands



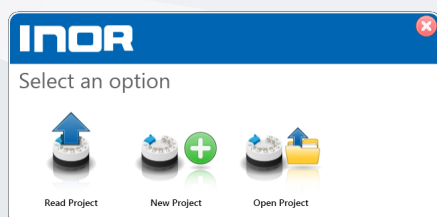
LCD-D100

Loop powered LCD display module

Input: 4...20 mA
 Display: 4-digit LCD with backlight
 Configuration: App (via NFC) or Push-buttons

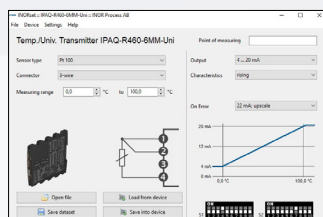


Configuration Software



ConSoft

Download the PC-software ConSoft at www.inor.com



INOR-Set

Download the PC-software INOR-Set to configure IPAQ R460 at www.inor.com



INOR Connect

Download the app INOR Connect

Configuration kits



ICON-X

Ex-certified Transmitter Configuration Kit

Type: PC configuration
Communication: USB
Galvanic isolation: 1500 VAC
Ex approval: ATEX, IECEx, cFMus



ICON-BT

Configuration kit for wireless configuration and monitoring

Type: Wireless configuration
Communication: Bluetooth®
Size: 71 x 28 x 24 mm
Fits: IPAQ 330 and IPAQ 530



INOR-Set

Configuration kit for configuration and monitoring

Type: PC configuration
Communication: USB
Galvanic isolation: 4000 VAC
Fits: IPAQ R460

Compact sensors



TRA-C10

Hygienic compact sensor with M12 connector

Process connection: Flange
Diameter: 6 mm
Protection class: IP67
Integrated transmitter optional



TRA-C20

Compact sensor with Valve EN 175301-803 connector

Process connection: Screw-in
Diameter: 6 mm
Protection class: IP65
Integrated transmitter optional



TRA-C30

Compact sensor with M12 connector

Process connection: Screw-in
Diameter: 6 mm
Protection class: IP67
Integrated transmitter optional



TRA-C40

Compact sensor with M12 connector

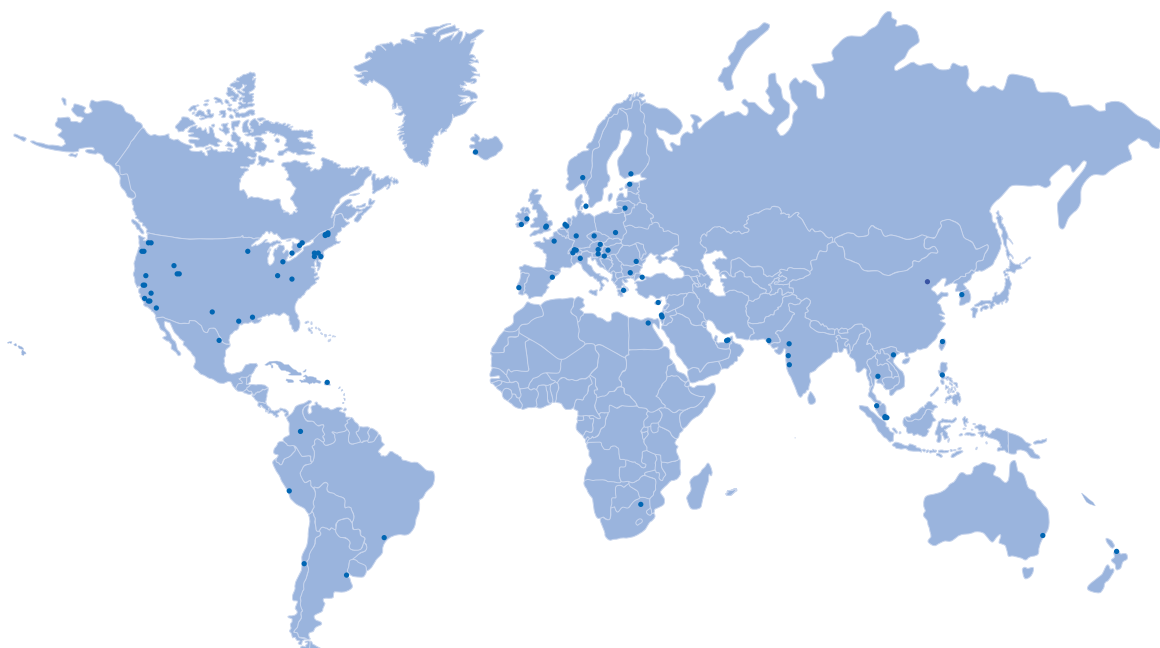
Process connection: Plug-in
Diameter: 3 / 6 mm
Protection class: IP67



TRA-C50

Compact sensor with M12 connector

Process connection: Screw-in
Diameter: 3 mm
Protection class: IP67



INOR product overview

- Temperature Transmitters
- Isolators & Isolation Transmitters
- Field Housing & Indicators
- Temperature Sensors
- Accessories
- Services

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