



## PRODUCT OVERVIEW

Temperature Transmitters, Alarm Units, Indicators, Signal Isolators, Configurations kits

- Complete range of Transmitters for in-head and DIN-rail mounting
- App for wireless configuration and monitoring via NFC and Bluetooth
- Complete range of Loop Powered Isolators and Isolation Transmitters
- Alarm Units for monitoring of temperature and process signals
- Selection of Loop Powered Indicators

# Temperature transmitters



## APAQ-H/-LC

Analog Adjustable 2-wire Transmitter

Input: RTD or T/C  
 Output: 4-20mA  
 Configuration: Solder pads, Potentiometers  
 Accuracy: RTD  $\pm 0.15\%$  of Span  
 T/C  $\pm 0.5\%$  of Span  
 Approvals: ATEX (APAQ-H)



## IPAQ C/R 202

Programmable 2-wire Transmitter for Pt100 sensors

Input: RTD  
 Output: 4-20mA  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.1\%$  of Span  
 Approvals: ATEX & IECEx (IPAQ C202)



## MINIPAQ-HLP/-L

Basic Programmable 2-wire Transmitter

Input: RTD, T/C  
 Output: 4-20mA  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.15\%$  of Span



## IPAQ C/R 330

Universal Programmable 2-wire Transmitter

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



## IPAQ C/R 530

HART® Universal 2-wire Transmitter

Input: RTD, T/C,  $\Omega$ , mV  
 Output: 4-20mA, HART®7  
 Configuration: PC (via USB Interface)  
 App (via NFC or Bluetooth®)  
 HART, DD, DTM  
 Accuracy:  $\pm 0.1\%$  of Span  
 Isolation: 1500 VAC  
 Approvals: ATEX / IECEx / cFMus



## IPAQ C/R 520

HART® Universal Dual-input 2-wire Transmitter

Input: RTD, T/C,  $\Omega$ , 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





### APAQ-3HPT/-3LPT

Analog Adjustable 3-wire Transmitter

Input: RTD  
 Output: 0-10 V  
 Configuration: Solder pads or Potentiometers  
 Accuracy:  $\pm 0.15\%$  of Span



### IPAQ-4L

4-wire, High Isolation Temperature Transmitter

Input: RTD, T/C,  $\Omega$ , mV, V, mA  
 Output: 0/4-20mA, 0/2-10V  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.1\%$  of Span  
 Isolation: 4000 VAC



### IPAQ-21L

Universal 1-channel programmable 2-wire Transmitter

Input: RTD, T/C,  $\Omega$ , mV  
 Output: 4-20 mA / 20-4 mA  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.1\%$  of Span  
 Isolation: 1500 VAC  
 Approvals: ATEX



### IPAQ-22L

Universal 2-channels programmable 2-wire Transmitter

Input: RTD, T/C,  $\Omega$ , mV  
 Output: 4-20 mA / 20-4 mA  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.1\%$  of Span  
 Isolation: 1500 VAC  
 Approvals: ATEX



### DB537

Analog 2-wire Transmitter for Potentiometer Input

Input: Potentiometer  
 Output: 0 - 100000  $\Omega$   
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.2\%$  of Span



### DA576

Precision Transmitter for Absolute and Differential Temperature Measurement

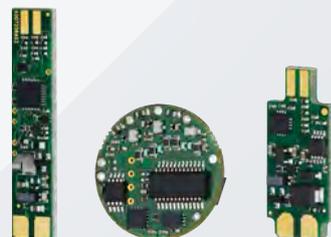
Input: RTD  
 Output: 4-20 mA, 0-10 V  
 Measuring channels: 2 channels  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.03\%$  of Span



### IPAQ CT20

Analog, PC-configurable compact transmitter

Input: RTD  
 Output: 4-20 mA  
 Configuration: PC (via USB Interface)  
 Accuracy:  $\pm 0.2\%$  of Span  
 Power supply: 7.5 to 32 VDC  
 Process connection: M12x1,4-pin



### OEM 202P/R/W

Digital temperature transmittersto 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*

# 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:  $\pm 0.1\%$  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:  $\pm 0.1\%$  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:  $\pm 0.1\%$  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:  $\pm 0.1\%$  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:  $\pm 0.1\%$  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:  $\pm 0.1\%$  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-161P

Isolation Transmitter for Bipolar and Unipolar mA/V Signals with Fixed Ranges

Type: Active  
 Signal: mA/V  
 Isolation level: 2.5 kv, 50 Hz  
 Accuracy:  $\pm 0.2\%$  FS  
 Working Voltage: 600 VAC/DC  
 Housing: Compact line



### IsoPAQ-11L/-12L

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
Housing:	Standard 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:	±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:	±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:	±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:	±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:	±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:	±0.1% FS
Working Voltage:	1000 VAC/DC
Housing:	Standard line



### IsoPAQ-70S

Basic Isolation Transmitter for Unipolar Shunt Voltages with Calibrated Range Selection

Type:	Active
Signal:	V
Isolation level:	2.5 kv, 50 Hz
Accuracy:	±0.3% FS
Working Voltage:	600 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:	±0.1% FS
Working Voltage:	1000 VAC/DC
Housing:	Standard line

# Isolation Transmitters with special features



## DA561

Isolation Transmitter for mA/V Signals with 2-wire Transmitter Supply

Input: mA, V  
 Isolation level: 1500 VAC  
 Accuracy:  $\pm 0.15\%$  of span  
 Power Supply: AC/DC versions



## DA562

Dual Channel Isolation Transmitter for mA/V Signals

Input: mA, V  
 Isolation level: 1500 VAC  
 Accuracy:  $\pm 0.15\%$  of span  
 Power Supply: AC/DC versions



## IPAQ-L(mA)

Programmable 2-wire Isolation Transmitter for mA Signals

Input: mA  
 Isolation level: 1500 VAC  
 Accuracy:  $\pm 0.1\%$  of span  
 Power Supply: 7.5...36.0 VDC

# Field housing and Indicators



## LCD-H30

Loop Powered Heavy-duty LCD Field Indicator

Material: Aluminium  
 Protection: IP 68  
 Digit size: 8.89 mm, backlight  
 Mounting: Wall mount or 2" pipe clamp



## LCD-H20

Loop Powered LCD Indicator for In-head Mounting

Material: Aluminium  
 Protection: IP 65  
 Digit size: 12 mm  
 Mounting: Sensor



## LED-W11X

Loop Powered & Ex-approved LED Indicator for Gas Zone 1 & 2

Material: Plastic  
 Protection: IP 65  
 Digit size: 14.2 mm  
 Mounting: Rail, Wall mount or 2" pipe clamp



## LCD-W11

Loop Powered LCD Indicator for Field Mounting

Material: Plastic  
 Protection: IP 65  
 Digit size: 17.8 mm  
 Mounting: Rail, Wall mount or 2" pipe clamp



## LED-W11

Loop Powered LED Indicator for Field Mounting

Material: Plastic  
 Protection: IP 65  
 Digit size: 14.2 mm  
 Mounting: Rail, Wall mount or 2" pipe clamp

# Alarm units & Power Supply



## SR335

Alarm Unit with Pt100 Input and Double Relay Outputs

Input: Pt100, Pt200, Pt500, Pt1000  
 Typical Accuracy:  $\pm 0.2\%$  of span  
 Power supply: 24 VAC/DC



## SR360

Alarm Unit with mA/V Input and Double Relay Outputs

Input: Current, Voltage  
 Typical Accuracy:  $\pm 0.2\%$  of span  
 Power supply: 24 VAC/DC



## SR535

Alarm Unit with Pt100 Input and 4-20 mA Output

Input: Pt100  
 Typical Accuracy:  $\pm 0.1\%$  of span  
 Power supply: AC: 230 VAC / 115 VAC  
 DC: 19 to 60 VDCC



## SR560

Dual Channel Alarm Unit with mA/V Input and Double Relay Outputs

Input: Current, Voltage  
 No. of channels: 2 channels  
 Typical Accuracy:  $\pm 0.1\%$  of span  
 Power supply: AC: 230 VAC / 115 VAC  
 DC: 19 to 60 VDCC



## ME544

4-channel Power Supply for 2-wire Transmitters

Voltage:  $\sim 25$  VDC  
 Current limitation:  $\sim 35$  mA  
 Maximum ripple: 5 mV eff.  
 Power supply: AC: 230 VAC / 115 VAC  
 DC: 19 to 60 VDC

# Configuration kits & Software



## 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



ConSoft

## ConSoft

Download the PC-software ConSoft at [www.inor.com](http://www.inor.com)



## INOR Connect

Download the app INOR Connect





## INOR product overview

- Temperature Transmitters
- Isolators & Isolation Transmitters
- Field Housing & Indicators
- Power Supply & Alarm Units
- Temperature Sensors
- Accessories
- Services

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