

PRODUCTS OVERVIEW

INSTRUMENTATION

FORCE, TORQUE AND WEIGHING

MODEL

DESCRIPTION

INDI-PAXS

Intelligent and programmable panel meters

Input signal:

- Wheatstone bridge (mV/V)

DISP-PAXP

- 5 digits 14 mm height
- 16 points scaling for linearisation
- Power supply 85...250 VAC
or 24 VAC and 10...36 VDC

Input signal:

- 4(0)...20 mA, 0...10 V

DISP-PAXD

Options:

- Analogue output 4(0)...20 mA or 0...10 V
- 2 or 4 set-points with relay outputs
- RS-232 digital output
- RS-485 digital output
- Fieldbus digital output

Input signals:

- 0.2 mA...2 A
- 200 mV...300 VDC

DISP-PAXDP

Explosion-proof version available on request:

- INDI-PAXS-Exd (IIB / IIC)
- INDI-PAXS-12-Exd (IIB / IIC)
- DISP-PAXP-Exd (IIB / IIC)
- DISP-PAXP-12-Exd (IIB / IIC)
- DISP-PAXD-Exd (IIB / IIC)
- DISP-PAXDP-Exd (IIB / IIC)
- DISP-PAXDP-12-Exd (IIB / IIC)

Input signals:

- Dual 4(0)...20 mA or 0...10 VDC
- Math function of both inputs

MODEL

DESCRIPTION

INDI-MAXS

Universal panel meters with large display
to be used with transducer and process signal

Input signal:

- Wheatstone bridge (mV/V)

DISP-MAXP

- 5 digits 38 mm height
- 16 points scaling for linearisation
- Power supply 85...250 VAC
or 24 VAC and 10...36 VDC

Input signal:

- 4(0)...20 mA, 0...10 V

DISP-MAXD

Options:

- Analogue output 4(0)...20 mA or 0...10 V
- 2 or 4 set-points with relay outputs
- RS-232 digital output
- RS-485 digital output
- Fieldbus digital output

Input signals:

- 0.2 mA...2 A
- 200 mV...300 VDC

MODEL

DESCRIPTION

INDI-PAXS2

Panel meters with dual line display 6 digits (18 mm) and
9 digits (8.9 mm) for Wheatstone bridge sensors or electrical
analogue measurements.

Input signal:

- Wheatstone bridge (mV/V)

DISP-PAXP2

Universal power supply (AC/DC)

Input signals:

- 0.2 mA...2 A
- 200 mV...300 VDC

DISP-PAXD2

Options:

- Analogue output 4(0)...20 mA or 0...10 V
- 2 or 4 set-points with relay outputs
- RS-232 digital output
- RS-485 digital output
- Fieldbus digital output

MODEL

DESCRIPTION

DISP-60

Display for rotary torque sensor
1 torque sensor input (0...10 V)
1 angle encoder input or speed sensor input
USB output (Windows-compatible software)
SD card slot
2 relays output

MODEL

DESCRIPTION

COND-SGA

Conditioner - amplifier for Wheatstone bridge (mV/V)
Power supply: 18...24 VDC or 115/230 VAC

Available outputs:

- 4(0)...20 mA source or drain
- 0...10 V, -10...0...+10 V



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MODEL	DESCRIPTION		
	COND-A420	<p>Conditioner - amplifier for Wheatstone bridge (mV/V). Power supply: 115/230 VAC</p> <p><u>Available outputs:</u></p> <ul style="list-style-type: none"> - 4(0)...20 mA source - 0...10 V <p><u>Explosion-proof version available on request:</u></p> <ul style="list-style-type: none"> - COND-A420-Exd (IIB / IIC) 	
MODEL	DESCRIPTION		
	COND-USB	Conditioner – amplifier for Wheatstone bridge (mV/V) with USB digital output (plug and play)	
MODEL	DESCRIPTION		
	JBOX-4	<p>Junction box for weighing systems</p> <ul style="list-style-type: none"> Up to 4 load cells Protection class: IP66 Polycarbonate enclosure 	
MODEL	DESCRIPTION		
	JBOX-AJB-4	<p>Junction boxes for weighing systems</p> <ul style="list-style-type: none"> Protection class: IP67 Stainless steel enclosure With corner adjustment 	Up to 4 load cells
	JBOX-AJB-6	<p>Junction boxes for weighing systems</p> <ul style="list-style-type: none"> Protection class: IP67 Stainless steel enclosure With corner adjustment 	Up to 6 load cells
MODEL	DESCRIPTION		
	JBOX-4EXia	Ex i certified junction box for 2 to 4 strain gauge transducers	
MODEL	DESCRIPTION		
	CONV-EX2-4Z	Zener barriers for 1 or 2 sensors (350 ohms)	With 4 wires connection
	CONV-EX2-6Z	Zener barriers for 1 or 2 sensors (350 ohms)	With 6 wires connection (sense)
MODEL	DESCRIPTION		
	CONV-EX420P	Ex i certified isolated barrier for 4...20 mA signal	
MODEL	DESCRIPTION		
	INDI-5250	<p>Very high accuracy digital indicator designed for legal-for-trade or high-accuracy weighing applications 10.000 d approved 6 digit display</p> <p><u>Explosion proof version available on request:</u></p> <ul style="list-style-type: none"> - INDI-5250-Ex d (IIB/IIC) 	
MODEL	DESCRIPTION		
	INDI-PSD	<p>Hand-held indicator for Wheatstone bridge (mV/V)</p> <ul style="list-style-type: none"> 7 digits LCD display Tare, hold, peek and resistor calibration by front keys 	

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FORCE, TORQUE AND WEIGHING

MODEL

DESCRIPTION

WI-T24TR-ACM

Radio transmitters for analogue signal: mV/V, 4...20 mA or 0...10 V
High accuracy
High resolution

Range: up to 800 m
Dimensions: 164 x 84 x 57 mm
Protection class: IP67

WI-T24TR-ACMI

Range: up to 800 m
Dimensions: 80 x 62 x 34 mm
Protection class: IP67

WI-T24TR-ACMM

Range: up to 500 m
Dimensions: 76 x 35 x 20 mm
Protection class: IP50

MODEL

DESCRIPTION

WI-T24RE-HS

Hand-held indicators displaying the data transmitted by a sensor equipped with a radio transmitter
Range: 800 m open field

Displays one channel

WI-T24RE-HA

High accuracy
High resolution: 7 digits

Displays each channel and the sum of a selection of several channels

WI-T24RE-HR

Displays all the transmitters within its range (roaming)

MODEL

DESCRIPTION

WI-T24RE-AO1

Radio receivers providing an analogue signal transmitted by the WI-T24TR-ACM range

Range: up to 100 m
Dimensions: 146 x 88 x 25 mm
Protection class: IP50

Output signal:

- Voltage: 0...5 V, 0...10 V, -5...0...+5 V, -10...0...+10 V
- Current: 4...20 mA, 0...20 mA source and sink

WI-T24RE-AO1I

Range: up to 800 m
Dimensions: 164 x 84 x 57 mm
Protection class: IP67

MODEL

DESCRIPTION

WI-T24RE-BSI

Radio receivers providing a digital signal transmitted by the WI-T24TR-ACM range

Output: USB, RS-232 or RS-485
Range: up to 800 m
Dimensions: 164 x 84 x 57 mm
Protection: IP67

WI-T24RE-BSU

Output: USB
Range: up to 500 m
Dimensions: 76 x 35 x 20 mm
Protection: IP50

WI-T24RE-BSUE

Output: USB
Range: up to 800 m
Dimensions: 80 x 62 x 34 mm
Protection: IP67

WI-T24RE-SO

Output: RS-232, RS-485
Range: up to 800 m
Dimensions: 164 x 84 x 57 mm

MODEL

DESCRIPTION

WI-DXBTR-9NS-Exi

Transmitter module for sensor (Wheatstone bridge)
Ex i certified for operation in hazardous area.



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MODEL

DESCRIPTION



WI-DXBRE-PAXP

Receiver with display for wireless signal from WI-DXBTR-9NS-Ex i module with analogue and digital output (options).

STANDARD REFERENCE INDICATORS

MODEL

DESCRIPTION



INDI-00

Classes 1 and 0,5
High-accuracy indicator for standard reference force transducers (ISO 376)
RS-232 or RS-485 output

Input signal:
Wheatstone bridge (mV/V)

MODEL

DESCRIPTION



INDI-ISO376

Class 00
High-accuracy indicator for standard reference force transducers (ISO 376)
RS-232 or RS-485 output MODBUS RTU Protocol

Input signal:
Wheatstone bridge (mV/V)

MODEL

DESCRIPTION



INDI-12390

Digital indicator for 3115-12390 standard reference force transducers (EN-12390-4)
With 4 digital indicators (5 digits)
RS-232 or RS-485 outputs

Input signal:
Wheatstone bridge (mV/V) x 4

CRANE OVERLOAD PROTECTION

MODEL

DESCRIPTION



BRIDGE-BOY

Economical analogic crane overload protection electronics with 1 or 3 set-points
Din rail mounting
Power supply: 45, 115 or 240 VAC

Input signal:
Wheatstone bridge (mV/V)

MODEL

DESCRIPTION

INDI-BOY INDI-BOY12

Intelligent and programmable crane overload protection electronics
- 3 set-points with relay (3 A)
- To be mounted in existing cabinet (no housing delivered)

Input signal:
Wheatstone bridge (mV/V)

DISP-BOYP DISP-BOYP12

- Display 5 digits 14 mm height
- 16 points scaling for linearisation
- Power supply 85...250 VAC (INDI-xx or DISP-xx) or 24 VAC and 10...36 VDC (INDI-xx12 or DISP-xx12)

Input signal:
4...20 mA amplified signal

DISP-BOYDP DISP-BOYDP24

Input signals:
dual 4...20 mA
with math function of both inputs

DISP-SUMD DISP-SUMD12

Options:
- analogue output 4(0)..20 mA or 0...10 V
- RS-232 digital output
- RS-485 digital output
- Fieldbus output
- Digital output

0...200 mA from 4 (0) 20 mA outputs for sum limitation

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INSTRUMENTATION

CRANE OVERLOAD PROTECTION

MODEL

DESCRIPTION



CRANE-BOY CRANE-BOY12

Intelligent and programmable crane overload protection electronics:

- Protection class IP54
- Metal housing
- 3 set-points with relay (3 A)
- Display 5 digits 14 mm height
- 16 points scaling for linearisation
- Power supply 85...250 VAC (CRANE-xx) or 24 VAC and 10...36 VDC (CRANE-xx12)

Input signal:
Wheatstone bridge (mV/V)

CRANE-BOYP CRANE-BOYP12

- analogue output 4(0)...20 mA or 0...10 V
- 2 or 4 set-points with relay outputs
- RS-232 digital output
- RS-485 digital output
- Fieldbus digital output
- Protection class IP67

Input signal:
4...20 mA amplified signal

CRANE-BOYDP CRANE-BOYDP24

Options:

- analogue output 4(0)...20 mA or 0...10 V
- 2 or 4 set-points with relay outputs
- RS-232 digital output
- RS-485 digital output
- Fieldbus digital output
- Protection class IP67

Input signals:
dual 4...20 mA
with math function of the 2 inputs

CRANE-SUMD CRANE-SUMD12

Input signal:
0...200 mA (from 4 (0) 20 mA outputs)
used for sum limitation

MODEL

DESCRIPTION



CRANE-BOY-Exd CRANE-BOY12-Exd

Correspond to INDI-BOY or DISP-BOYP mounted in an explosion-proof housing:

- Power supply 85...250 VAC (CRANE-xx) or 24 VAC and 10...36 VDC (CRANE-xx12).

Input signal:
Wheatstone bridge (mV/V)
Ready to be connected with Ex i load cells

CRANE-BOYP-Exd CRANE-BOYP12-Exd

Input signal:
4...20 mA amplified signal
Ready to be connected with Ex i load cells

CRANE-BOY-Exd-5050 CRANE-BOY12-Exd-5050

Input signal:
Wheatstone bridge (mV/V)
Ready to be connected with Ex d load cells

CRANE-BOYP-Exd-5050 CRANE-BOYP12-Exd-5050

Input signal:
4...20 mA amplified signal
Ready to be connected with Ex d load cells

MODEL

DESCRIPTION



CABIN-2xB1SUMD

Crane overload protection electronics system for 2 hoisting devices and their sum
Contains 2 x INDI-BOY's or 2 x DISP-BOYP's connected with 1 x DISP-SUMD

Explosion-proof version available on request:
CABIN-2xB1SUMD-Exd (IIB / IIC)

MODEL

DESCRIPTION



CABIN-4xB1SUMD

Crane overload protection electronics system for 4 hoisting devices and their sum
Contains 4 x INDI-BOY's or 4 x DISP-BOYP's connected with 1 x DISP-SUMD

Explosion-proof version available on request:
CABIN-4xB1SUMD-Exd (IIB / IIC)

MODEL

DESCRIPTION



JBOX-LCI

Smart junction box with monitoring load cells integrity
Up to 4 load cells (mV/V)

Input signal:
- Wheatstone bridge

PRODUCTS OVERVIEW

INSTRUMENTATION

CRANE OVERLOAD PROTECTION

MODEL

DESCRIPTION



SAFETY-BOY

Overload protection electronics for hoisting devices with certification for performance level PL d according to EN ISO 13849-1:

- redundant channels with constant comparing of both signals
- Calibration by push buttons and display
- Display of hoisted loads and input signals
- Internal monitoring system of the load cells integrity

Input signal:
- Wheatstone bridge

MODEL

DESCRIPTION



COACH-II

Data recording and management system for EOT cranes:

- Up, down, short and long movements recording
- Hoisted loads recording
- Safe Working Period (SWP) calculation

Explosion-proof version available on request:
COACH-II-IP65-Exd (IIB / IIC)

MODEL

DESCRIPTION



DISP-F

Large digital display
Digits: 4 or 6
Height of digits: 57, 102, 150, 200, 300 or 400 mm
Analogue input: 0...10 V or 4(0)...20 mA
Serial input: RS-232 or RS-485

TENSIOMETERS

MODEL

DESCRIPTION



DISP-RLT

Indicator for running line tensiometer displaying:

- Force
- Speed
- Payout

Data transmission RS-232

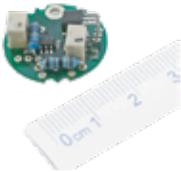
Options:

- Data transmission RS-485 or Profibus
- Data logging

OPTIONS FOR TRANSDUCERS

MODEL

DESCRIPTION



ANALOGUE AMPLIFIERS

Amplified output signals 4...20 mA or 0...10 V
Integrated in the transducer or mounted on the cable

MODEL

DESCRIPTION



DIGITAL CONVERTERS

Digital output signals
RS-232, RS-485, Fieldbus
Can be integrated in the transducer or mounted on the cable