

The Multitalented

The FLUXUS[®] ADM 7X07 are ultrasonic flowmeters for permanent installation. FLUXUS[®] ADM 7407 is designed for wall mounting, FLUXUS[®] ADM 7907 for installation in 19" rack systems.

All FLUXUS[®] flowmeters work according to the transittime principle which makes use of the fact that the speed of propagation of an ultrasonic signal in a flowing medium depends on the flow velocity.

Since the transducers are mounted on the pipe, they are not subject to wear and tear and can be installed rapidly, without cutting into the pipe and without process interruption. The measurement causes no pressure loss. Chemically aggressive media are not a problem; there is no need for expensive materials.

Thanks to their exceptional dual-uP technology, high number of measuring cycles per second and adaptive signal processing, the FLUXUS® ADM 7X07 meters produce stable and reliable measuring results even under difficult condtions.

FLUXUS[®] ADM 7X07 can be equipped with up to 4 process inputs. The input quantities (e.g. temperature or pressure) can be used by FLUXUS together with the measured flow for the calculation of further quantities: heat flow, mass flow, etc.

All FLEXIM flow transducers for liquids can be connected. Clamp-on flow measurement of liquids is possible on pipes with diameter ranging from DN 6 to DN 6500 and at temperatures ranging from -30 °C to 400 °C. The transducers have a degree of protection of IP65 (IP68 on request). Explosion protected types (FM or ATEX) are available. You will find more information about the transducers in the corresponding specification sheet.



FLUXUS® ADM 7407



FLUXUS® ADM 7907

Features

- · Non-invasive flow measurement for permanent installation
- 1 or 2 flow channels
- · Unique signal processing
- Flexible configuration of inputs and outputs
- Enhanced status information
- Integrated energy calculator and flow calculator

Technical Data

Measurement	
Measuring principle:	transit time difference correlation principle
Flow velocity:	(0.01 to 25)m/s
Repeatability:	0.15% of reading ± 0.01 m/s
Accuracy*	
- with 7 points wet	
flow calibration:	± 1.2% of reading ± 0.01 m/s
- with process	
calibration**:	± 0.5% of reading ± 0.01 m/s
Measurable fluids:	all acoustically conductive fluids with < 10% gaseous or solid content in volume

Transmitter	
Housing	
- Weight:	7407: ca. 2.8kg, 7907: ca. 1.7kg
 Deg. of protection 	7407: IP65
acc. to EN60529:	7907: IP20
- Material:	Aluminium, powder coated
- Dimensions	7407: (287 x 200 x 70)mm
(WxHxD):	7907: (42TEx3HE) (without back
	panel)
Flow channels:	1 or 2
Power supply:	(100 to 240)VAC
	(18 to 36)VDC
Display:	2 x 16 characters, dot matrix, backlit
Operating temperature:	-10°C to 60°C
Power consumption:	< 15W
Signal damping:	(0 to 100)s, adjustable
Measuring cycle:	(100 to 1000)Hz (1 channel)
Response time:	1s (1 channel), 70ms opt.

Measuring functions	
Quantities of measurement:	Volume and mass flow rate, flow velocity, heat flow rate (only if
	temperature inputs are installed)
Totalizers:	Volume, mass, heat (opt.)
Calculation functions:	Average, difference, sum
Operating languages:	Dutch, English, French, German, Spanish

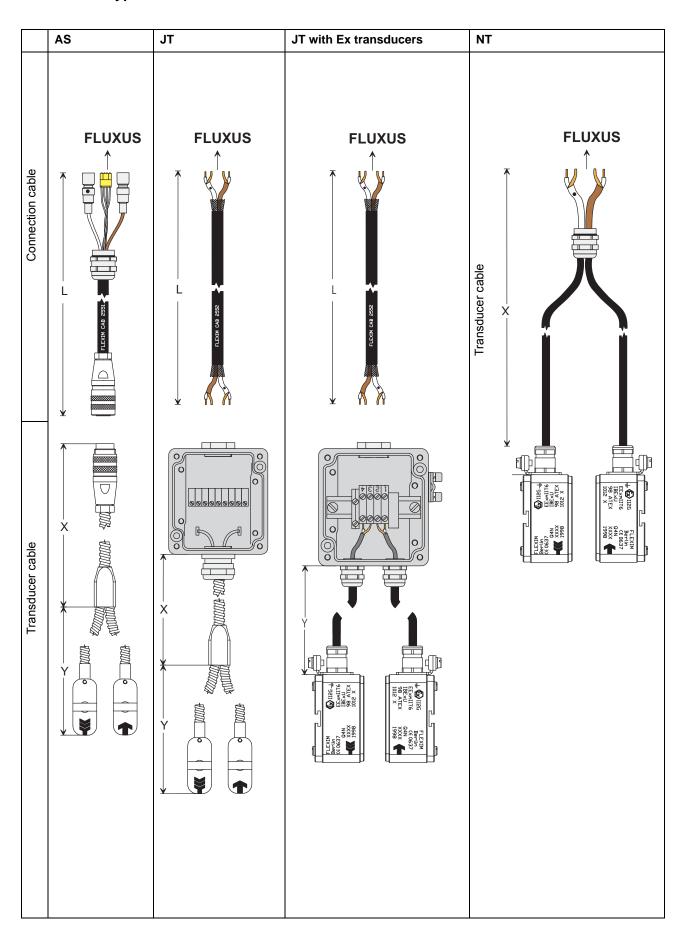
Data logger	
Loggable values:	All measured quantities and totalized values
Capacity:	>100000 meas. values

Communication Interface: RS232, RS485 optional actual meas. value, logged data, parameter records actual meas. value, logged data, parameter records Punction: Downloading meas. data/parameter records, graphical presentation, conversion to other formats Operating systems: All Windows™ versions Other formats Operating systems: All Windows™ versions Outputs (optional) - The outputs are galvanically isolated from the main device. - The number of outputs that can be installed depends on the output type. Consult FLEXIM for more information. Current Fange: (0/4 to20)mA Accuracy: 0.1% of reading ± 15μA Active output: Passive input: Pa					
Data: actual meas. value, logged data, parameter records Software FluxData (optional) Function: Downloading meas. data/parameter records, graphical presentation, conversion to other formats Operating systems: All Windows TM versions Outputs (optional) - The outputs (optional) - The number of outputs that can be installed depends on the output type. Consult FLEXIM for more information. Current - Range: (0/4 to20)mA - Accuracy: 0.1% of reading ± 15μA - Accuracy: 0.1% of reading ± 1kΩ Voltage - Range: (0 to 1)V or (0 to 10) V - Accuracy: (0 to 1)V or (0 to 10) V - Accuracy: (0 to 1)V or (0 to 10) V - Accuracy: (0 to 1)V or (0 to 10) V - Range: (0 to 1)V or (0 to 10) V - Intr. resistance: R _i = 500 Ω Frequency - Range: (01)kHz or (010)kHz - Open collector: 24 V/4mA Binary - Open collector: 24 V/4mA - Function as state output: limit, sign change or error - Properties of the pulse output (OC): Vialue:	Communication				
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Outputs (optional) - The outputs are galvanically isolated from the main device The number of outputs that can be installed depends on the output type. Consult FLEXIM for more information. Current - Range: (0/4 to20)mA - Accuracy: 0.1% of reading ± 15μA - Active output: R _{ext} < 500Ω - Passive output: U _{ext} < 24 V, R _{ext} < 1 kΩ Voltage - Range: (0 to 1)V or (0 to 10) V - Accuracy: (0 to 1)V: 0,1% of reading ± 10mV (0 to 10)V: 0.1% of reading ± 10mV - Intr. resistance: R _i = 500 Ω Frequency - Range: (01)kHz or (010)kHz - Open collector: 24 V/4mA Binary - Open collector: 24 V/4mA Binary - Open collector: 24 V/4mA - Reed relais: 48 V/0.1A - Function as state output: limit, sign change or error - Properties of the Value: (0.01 to1000) units pulse output (OC): Width: 7407: (1 to 1000)ms Inputs (optional) - The inputs are galvanically isolated from the main device A maximum of 4 inputs can be installed. Temperature - Type: Pt100 four-wire circuit - Range: -50°C to 400°C - Resolution: 0.1 K - Accuracy: ± (0.2K + 0.1% of reading) Current - Range: active: (0 to 20)mA - passive: (-20 to 20)mA - Accuracy: 0.1% of reading ± 10μA - Active input: R _i = 50Ω - Passive input: U _{ext} < 24V, R _{ext} < 1kΩ Voltage - Range: (0 to 1)V or (0 to 10)V - Accuracy: 0.1% of reading ± 1mV (0 to 10)V: 0.1% of reading ± 1mV					
- The outputs are galvanically isolated from the main device The number of outputs that can be installed depends on the output type. Consult FLEXIM for more information. Current - Range: $(0/4 \text{ to} 20) \text{mA}$ - Accuracy: 0.1% of reading $\pm 15 \mu \text{A}$ - Active output: $R_{\text{ext}} < 500 \Omega$ - Passive output: $U_{\text{ext}} < 24 \text{V}$, $R_{\text{ext}} < 1 \text{k} \Omega$ Voltage - Range: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy:	Operating systems:	All Windows TM versions			
- The outputs are galvanically isolated from the main device The number of outputs that can be installed depends on the output type. Consult FLEXIM for more information. Current - Range: $(0/4 \text{ to} 20) \text{mA}$ - Accuracy: 0.1% of reading $\pm 15 \mu \text{A}$ - Active output: $R_{\text{ext}} < 500 \Omega$ - Passive output: $U_{\text{ext}} < 24 \text{V}$, $R_{\text{ext}} < 1 \text{k} \Omega$ Voltage - Range: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy: $(0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V}$ - Accuracy:					
$ \begin{array}{lll} - & \text{The number of outputs that can be installed depends on the output type. Consult FLEXIM for more information.} \\ & \text{Current} \\ - & \text{Range:} & (0/4 \text{ to}20)\text{ mA} \\ - & \text{Accuracy:} & 0.1\% \text{ of reading} \pm 15 \mu\text{A} \\ - & \text{Active output:} & R_{\text{ext}} < 500 \Omega \\ - & \text{Passive output:} & U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline & \text{Voltage} \\ - & \text{Range:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{ V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V : } 0,1\% \text{ of reading} \pm 1 \text{mV} \\ & (0 \text{ to} 10) \text{V: } 0,1\% \text{ of reading} \pm 10 \text{mV} \\ - & \text{Intr. resistance:} & R_i = 500 \Omega \\ \hline & \text{Frequency} \\ - & \text{Range:} & (0 \dots 1) \text{kHz or } (0 \dots 10) \text{kHz} \\ - & \text{Open collector:} & 24 \text{ V/4 mA} \\ \hline & \text{Binary} \\ - & \text{Open collector:} & 24 \text{ V/4 mA} \\ - & \text{Reed relais:} & 48 \text{ V/0.1A} \\ - & \text{Function as state output:} & \text{limit, sign change or error} \\ - & \text{Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to} 1000) \text{ms} \\ \hline & \text{Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to} 1000) \text{ms} \\ \hline & \text{Inputs (optional)} \\ - & \text{The inputs are galvanically isolated from the main device.} \\ - & \text{A maximum of 4 inputs can be installed.} \\ \hline & \text{Temperature} \\ - & \text{Type:} & \text{Pt100 four-wire circuit} \\ - & \text{Range:} & -50^{\circ}\text{C to} 400^{\circ}\text{C} \\ - & \text{Resolution:} & 0.1 \text{ K} \\ - & \text{Accuracy:} & \pm (0.2 \text{K} + 0.1\% \text{ of reading}) \\ \hline & \text{Current} \\ - & \text{Range:} & \text{active:} & (0 \text{ to} 20) \text{mA} \\ & \text{passive:} & (-20 \text{ to} 20) \text{mA} \\ & \text{passive:} & \text{input:} & \text{R}_i = 50 \Omega \\ - & \text{Passive input:} & \text{U}_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline & \text{Voltage} \\ - & \text{Range:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V or } (0 \text{ to} 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to} 1) \text{V or } (0 $	Outputs (optional)				
output type. Consult FLEXIM for more information. Current - Range:	- The outputs are galvanio	cally isolated from the main device.			
$ \begin{array}{c} \text{Current} \\ - \text{Range:} & (0/4 \text{ to20}) \text{mA} \\ - \text{Accuracy:} & 0.1\% \text{ of reading } \pm 15 \mu \text{A} \\ - \text{Active output:} & R_{\text{ext}} < 500 \Omega \\ - \text{ Passive output:} & U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline \text{Voltage} \\ - \text{Range:} & (0 \text{ to 1}) \text{V or } (0 \text{ to 10}) \text{ V} \\ - \text{Accuracy:} & (0 \text{ to 1}) \text{V:} & 0.1\% \text{ of reading } \pm 1 \text{mV} \\ - \text{ (0 to 10}) \text{V:} & 0.1\% \text{ of reading } \pm 10 \text{mV} \\ - \text{ Intr. resistance:} & R_i = 500 \Omega \\ \hline \text{Frequency} \\ - \text{Range:} & (01) \text{kHz or } (010) \text{kHz} \\ - \text{ Open collector:} & 24 \text{ V/4mA} \\ \hline \text{Binary} \\ - \text{ Open collector:} & 24 \text{ V/4mA} \\ - \text{ Reed relais:} & 48 \text{ V/0.1A} \\ - \text{ Function as state output:} & \text{limit, sign change or error} \\ - \text{ Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to 1000)} \text{ ms} \\ \hline \text{ Inputs (optional)} \\ - \text{ The inputs are galvanically isolated from the main device.} \\ - \text{ A maximum of 4 inputs can be installed.} \\ \hline \text{ Temperature} \\ - \text{ Type:} & \text{Pt100 four-wire circuit} \\ - \text{ Range:} & -50^{\circ}\text{C to 400}^{\circ}\text{C} \\ - \text{ Resolution:} & 0.1 \text{ K} \\ - \text{ Accuracy:} & \pm (0.2 \text{K} + 0.1\% \text{ of reading}) \\ \hline \text{ Current} \\ - \text{ Range:} & \text{ active:} & (0 \text{ to 20}) \text{ mA} \\ \text{ passive:} & (-20 \text{ to 20}) \text{ mA} \\ - \text{ Active input:} & R_i = 50 \Omega \\ - \text{ Passive input:} & U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline \text{ Voltage} \\ - \text{ Range:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V} \\ - \text{ Accuracy:} & (0 \text{ to 1}) \text{V or (0 to 10}) \text{V}$					
$ \begin{array}{lll} - \mbox{Range:} & (0/4\mbox{ to 20)mA} \\ - \mbox{ Accuracy:} & 0.1\% \mbox{ of reading \pm 15$ μA} \\ - \mbox{ Active output:} & R_{\rm ext} < 500 \Omega \\ - \mbox{ Passive output:} & U_{\rm ext} < 24\mbox{ V, R}_{\rm ext} < 1\mbox{ k}\Omega \\ \hline \mbox{ Voltage} \\ - \mbox{ Range:} & (0\mbox{ to 1)V or (0\mbox{ to 10)V}} \\ - \mbox{ Accuracy:} & (0\mbox{ to 10)V:} \mbox{ 0,1\% of reading \pm 1mV} \\ (0\mbox{ to 10)V:} \mbox{ 0,1\% of reading \pm 1mV} \\ (0\mbox{ to 10)V:} \mbox{ 0,1\% of reading \pm 1mV} \\ - \mbox{ Intr. resistance:} & R_i = 500 \Omega \\ \hline \mbox{ Frequency} \\ - \mbox{ Range:} & (01)\mbox{ kHz or } (010)\mbox{ kHz} \\ - \mbox{ Open collector:} & 24\mbox{ V/4mA} \\ - \mbox{ Reed relais:} & 48\mbox{ V/0.1A} \\ - \mbox{ Function as state output:} & \mbox{ limit, sign change or error} \\ - \mbox{ Properties of the pulse output (OC):} & \mbox{ Width:} & 7407: (1\mbox{ to 1000)ms} \\ \hline \mbox{ Inputs (optional)} \\ - \mbox{ The inputs are galvanically isolated from the main device.} \\ - \mbox{ A maximum of 4 inputs can be installed.} \\ \hline \mbox{ Temperature} \\ - \mbox{ Type:} & \mbox{ Pt100 four-wire circuit} \\ - \mbox{ Range:} & -50\mbox{ °C to 400\ °C} \\ - \mbox{ Resolution:} & 0.1\mbox{ K} \\ - \mbox{ Accuracy:} & \pm (0.2\mbox{ K} + 0.1\% \mbox{ of reading)} \\ \hline \mbox{ Current} \\ - \mbox{ Range:} & \mbox{ active:} & (0\mbox{ to 20)mA} \\ - \mbox{ Accuracy:} & 0.1\% \mbox{ of reading \pm 10$ μA} \\ - \mbox{ Active input:} & \mbox{ R}_i = 50\Omega \\ - \mbox{ Passive input:} & \mbox{ U}_{\rm ext} < 24\mbox{ V, R}_{\rm ext} < 1\mbox{ k}\Omega \\ \hline \mbox{ Voltage} \\ - \mbox{ Range:} & (0\mbox{ to 10}\mbox{ Vor (0\mbox{ to 10}\mbox{ to 10}\mbox{ to 10}\mbox{ Vor (0\mbox{ to 10}\mbox{ to 10}\mbox{ Vor (0\mbox{ to 10}\mbox{ to 10}\mbox{ Vor (0\mbox{ to 10}\mbox{ to 10}\$		EXIM for more information.			
$- \ \ \text{Accuracy:} \qquad 0.1\% \ \ \text{of reading} \pm 15 \mu \text{A} \\ - \ \ \text{Active output:} \qquad R_{\text{ext}} < 500 \Omega \\ - \ \ \text{Passive output:} \qquad U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline \ \ \text{Voltage} \\ - \ \ \text{Range:} \qquad (0 \ \text{to} \ 1) \text{V or } (0 \ \text{to} \ 10) \ \text{V} \\ - \ \ \text{Accuracy:} \qquad (0 \ \text{to} \ 1) \text{V :} \ 0,1\% \ \text{of reading} \pm 1 \text{mV} \\ (0 \ \text{to} \ 10) \text{V :} \ 0,1\% \ \text{of reading} \pm 10 \text{mV} \\ - \ \text{Intr. resistance:} \qquad R_i = 500 \ \Omega \\ \hline \ \text{Frequency} \\ - \ \text{Range:} \qquad (0 \dots 1) \text{kHz or } (0 \dots 10) \text{kHz} \\ - \ \text{Open collector:} \qquad 24 \ \text{V/4 mA} \\ \hline \text{Binary} \\ - \ \text{Open collector:} \qquad 24 \ \text{V/4 mA} \\ - \ \text{Reed relais:} \qquad 48 \ \text{V/0.1A} \\ - \ \text{Function as} \\ \text{state output:} \qquad \text{limit, sign change or error} \\ - \ \text{Properties of the} \qquad \text{Value:} \qquad (0.01 \ \text{to} 1000) \text{ms} \\ \text{Pulse output (OC):} \qquad Width: \qquad 7407: (1 \ \text{to} \ 1000) \text{ms} \\ \text{Payor:} \ \text{(80 to} \ 1000) \text{ms} \\ \hline \text{Inputs (optional)} \\ - \ \text{The inputs are galvanically isolated from the main device.} \\ - \ \text{A maximum of 4 inputs can be installed.} \\ \hline \text{Temperature} \\ - \ \text{Type:} \qquad \text{Pt100 four-wire circuit} \\ - \ \text{Range:} \qquad -50 ^{\circ}\text{C} \ \text{to} \ 400 ^{\circ}\text{C} \\ - \ \text{Resolution:} \qquad 0.1 \ \text{K} \\ - \ \text{Accuracy:} \qquad \pm (0.2 \text{K} + 0.1\% \ \text{of reading}) \\ \hline \text{Current} \\ - \ \text{Range:} \qquad \text{active:} (0 \ \text{to} \ 20) \text{mA} \\ - \ \text{Accuracy:} \qquad 0.1\% \ \text{of reading} \pm 10 \mu \text{A} \\ - \ \text{Active input:} \qquad R_i = 50 \Omega \\ - \ \text{Passive input:} \qquad U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline \text{Voltage} \\ - \ \text{Range:} \qquad (0 \ \text{to} \ 1) \text{Vo} \ \text{of to ading} \pm 1 \text{mV} \\ \hline \text{(0 to 10)V:} \ 0.1\% \ \text{of reading} \pm 10 \text{mV} \\ \hline \text{(0 to 10)V:} \ 0.1\% \ \text{of reading} \pm 10 \text{mV} \\ \hline \text{(0 to 10)V:} \ 0.1\% \ \text{of reading} \pm 10 \text{mV} \\ \hline \text{(0 to 10)V:} \ 0.1\% \ \text{of reading} \pm 10 \text{mV} \\ \hline \text{(0 to 10)V:} \ 0.$		(0/4 4-00) 4			
$ \begin{array}{lll} - \text{Active output:} & R_{\text{ext}} < 500\Omega \\ - \text{Passive output:} & U_{\text{ext}} < 24\text{V}, R_{\text{ext}} < 1\text{k}\Omega \\ \hline \\ \text{Voltage} \\ - \text{Range:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10) \text{ V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V:} & 0.1\% \text{ of reading } \pm 1\text{mV} \\ & (0 \text{ to } 10)\text{V:} & 0.1\% \text{ of reading } \pm 1\text{mV} \\ & (0 \text{ to } 10)\text{V:} & 0.1\% \text{ of reading } \pm 1\text{mV} \\ \hline \\ - \text{Intr. resistance:} & R_i = 500\Omega \\ \hline \\ \text{Frequency} \\ - \text{Range:} & (01)\text{kHz or } (010)\text{kHz} \\ - \text{Open collector:} & 24\text{V/4}\text{mA} \\ \hline \\ \text{Binary} \\ - \text{Open collector:} & 24\text{V/4}\text{mA} \\ - \text{Reed relais:} & 48\text{V/0.1A} \\ - \text{Function as state output:} & \text{limit, sign change or error} \\ - \text{Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to } 1000)\text{ms} \\ \hline \\ \text{Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to } 1000)\text{ms} \\ \hline \\ \text{Payor:} & \text{(80 \text{ to } 1000)}\text{ms} \\ \hline \\ \text{Inputs (optional)} \\ - \text{The inputs are galvanically isolated from the main device.} \\ - \text{A maximum of 4 inputs can be installed.} \\ \hline \\ \text{Temperature} \\ - \text{Type:} & \text{Pt100 four-wire circuit} \\ - \text{Range:} & -50^{\circ}\text{C to } 400^{\circ}\text{C} \\ - \text{Resolution:} & 0.1\text{K} \\ - \text{Accuracy:} & \pm (0.2\text{K} + 0.1\% \text{ of reading}) \\ \hline \\ \text{Current} \\ - \text{Range:} & \text{active:} & (0 \text{ to } 20)\text{mA} \\ - \text{Accuracy:} & 0.1\% \text{ of reading} \pm 10\mu\text{A} \\ - \text{Active input:} & R_i = 50\Omega \\ - \text{Passive input:} & U_{\text{ext}} < 24\text{V}, R_{\text{ext}} < 1\text{k}\Omega \\ \hline \\ \text{Voltage} \\ - \text{Range:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - \text{Accuracy:} & (0 \text{ to }$	· ·	` '			
$ \begin{array}{lll} - \text{Passive output:} & U_{\text{ext}} < 24\text{V}, R_{\text{ext}} < 1\text{k}\Omega \\ \hline \text{Voltage} \\ - & \text{Range:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10) \text{ V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V:} & 0.1\% \text{ of reading } \pm 1\text{mV} \\ & (0 \text{ to } 10)\text{V:} & 0.1\% \text{ of reading } \pm 1\text{mV} \\ & (0 \text{ to } 10)\text{V:} & 0.1\% \text{ of reading } \pm 10\text{mV} \\ \hline - & \text{Intr. resistance:} & R_i = 500 \Omega \\ \hline \text{Frequency} \\ - & \text{Range:} & (01)\text{kHz or } (010)\text{kHz} \\ - & \text{Open collector:} & 24 \text{ V/4mA} \\ \hline \text{Binary} \\ - & \text{Open collector:} & 24 \text{ V/4mA} \\ - & \text{Reed relais:} & 48 \text{ V/0.1A} \\ - & \text{Function as state output:} & \text{limit, sign change or error} \\ - & \text{Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to } 1000) \text{ms} \\ \hline \text{Properties of the pulse output (OC):} & \text{Width:} & 7407: (1 \text{ to } 1000) \text{ms} \\ \hline \text{Properties of the pulse are galvanically isolated from the main device.} \\ - & \text{A maximum of 4 inputs can be installed.} \\ \hline \text{Temperature} \\ \hline - & \text{Type:} & \text{Pt100 four-wire circuit} \\ - & \text{Range:} & -50^{\circ}\text{C to } 400^{\circ}\text{C} \\ - & \text{Resolution:} & 0.1 \text{ K} \\ - & \text{Accuracy:} & \pm (0.2\text{K} + 0.1\% \text{ of reading}) \\ \hline \text{Current} \\ - & \text{Range:} & \text{active:} & (0 \text{ to } 20)\text{mA} \\ & \text{passive:} & (-20 \text{ to } 20)\text{mA} \\ - & \text{Active input:} & R_i = 50\Omega \\ - & \text{Passive input:} & U_{\text{ext}} < 24\text{ V}, R_{\text{ext}} < 1\text{k}\Omega \\ \hline \text{Voltage} \\ - & \text{Range:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1)\text{V or } (0 to$,	= -			
$Voltage \\ - Range: \qquad (0 \text{ to 1})V \text{ or } (0 \text{ to 10}) V \\ - Accuracy: \qquad (0 \text{ to 1})V: 0,1\% \text{ of reading } \pm 1 \text{ mV} \\ (0 \text{ to 10})V: 0,1\% \text{ of reading } \pm 10 \text{ mV} \\ - \text{ Intr. resistance:} \qquad R_i = 500 \ \Omega \\ \hline Frequency \\ - Range: \qquad (01)kHz \text{ or } (010)kHz \\ - \text{ Open collector:} \qquad 24 \text{ V/4mA} \\ \hline Binary \\ - \text{ Open collector:} \qquad 24 \text{ V/4mA} \\ - \text{ Reed relais:} \qquad 48 \text{ V/0.1A} \\ - \text{ Function as state output:} \qquad \text{ limit, sign change or error} \\ - \text{ Properties of the pulse output (OC):} \qquad \text{ Width:} \qquad 7407: (1 \text{ to } 1000) \text{ units pulse output (OC):} \qquad Width:} \qquad 7407: (80 \text{ to } 1000) \text{ms} \\ \hline \textbf{Inputs (optional)} \\ - \text{ The inputs are galvanically isolated from the main device.} \\ - \text{ A maximum of 4 inputs can be installed.} \\ \hline \textbf{Temperature} \\ - \text{ Type:} \qquad \text{ Pt100 four-wire circuit} \\ - \text{ Range:} \qquad -50^{\circ}\text{C to } 400^{\circ}\text{C} \\ - \text{ Resolution:} \qquad 0.1 \text{ K} \\ - \text{ Accuracy:} \qquad \pm (0.2 \text{K} + 0.1\% \text{ of reading}) \\ \hline \textbf{Current} \\ - \text{ Range:} \qquad \text{ active:} (0 \text{ to } 20) \text{ mA} \\ \text{ passive:} (-20 \text{ to } 20) \text{ mA} \\ - \text{ Active input:} \qquad R_i = 50 \Omega \\ - \text{ Passive input:} \qquad U_{ext} < 24 \text{ V}, R_{ext} < 1 \text{ k}\Omega \\ \hline \text{Voltage} \\ - \text{ Range:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad (0 \text{ to } 1) \text{ V or } (0 \text{ to } 10) \text{ V} \\ - \text{ Accuracy:} \qquad ($	· ·				
$ \begin{array}{lll} - & Range: & (0\ to\ 1)V\ or\ (0\ to\ 10)\ V \\ - & Accuracy: & (0\ to\ 1)V:\ 0,1\%\ of\ reading\ \pm\ 1mV \\ & (0\ to\ 10)V:\ 0,1\%\ of\ reading\ \pm\ 10mV \\ \hline \end{tabular}$		Cext 124V, Next 11132			
$- \begin{tabular}{ll} - Accuracy: & (0 to 1)V: 0.1\% of reading \pm 1mV \\ (0 to 10)V: 0.1\% of reading \pm 10mV \\ - Intr. resistance: & R_i = 500 Ω \\ \hline Frequency & \\ - Range: & (01)kHz or (010)kHz \\ - Open collector: & 24 V/4mA \\ \hline Binary & \\ - Open collector: & 24 V/4mA \\ \hline - Reed relais: & 48 V/0.1A \\ - Function as state output: & limit, sign change or error \\ - Properties of the value: & (0.01 to1000) units pulse output (OC): & Width: & 7407: (1 to 1000)ms \\ \hline - Properties of the pulse output (OC): & Width: & 7407: (1 to 1000)ms \\ \hline - The inputs are galvanically isolated from the main device. \\ - A maximum of 4 inputs can be installed. \\ \hline Temperature & - Type: & Pt100 four-wire circuit \\ - Range: & -50 °C to 400 °C \\ - Resolution: & 0.1 K \\ - Accuracy: & \pm (0.2K + 0.1\% of reading) \\ \hline Current & - Ange: & active: & (0 to 20)mA \\ passive: & (-20 to 20)mA \\ - Accuracy: & 0.1\% of reading \pm 10 $\mu A \\ - Active input: & R_i = 50 Ω \\ - Passive input: & U_{ext} < 24V, R_{ext} < 1 k Ω \\ \hline Voltage & - Range: & (0 to 1)V or (0 to 10)V \\ - Accuracy: & (0 to 1)V o$	•	(0 to 1)V or (0 to 10) V			
$ \begin{array}{lll} & - Intr. \ resistance: & R_i = 500 \ \Omega \\ \hline Frequency & & & & & & & \\ \hline - \ Aange: & & & & & & & \\ \hline - \ Open \ collector: & 24 \ V/4 \ mA \\ \hline Binary & & & & & \\ \hline - \ Open \ collector: & 24 \ V/4 \ mA \\ \hline - \ Popen \ collector: & 24 \ V/4 \ mA \\ \hline - \ Reed \ relais: & 48 \ V/0.1 \ A \\ \hline - \ Function \ as & & & \\ \hline - \ Function \ as & & \\ \hline - \ Function \ as & & \\ \hline - \ Properties \ of \ the & Value: & & \\ \hline - \ Properties \ of \ the & \\ \hline - \ Properties \ of \ the & \\ \hline - \ Properties \ of \ the & \\ \hline - \ Properties \ of \ $	- Accuracy:				
Frequency		(0 to 10)V: 0.1% of reading ± 10mV			
$- Range: \qquad (01)kHz \ or (010)kHz \\ - Open collector: \qquad 24 \ V/4 mA \\ \hline Binary \\ - Open collector: \qquad 24 \ V/4 mA \\ - Reed relais: \qquad 48 \ V/0.1A \\ - Function as state output: \qquad limit, sign change or error \\ - Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Width: \qquad 7407: (1 to 1000) ms \\ \hline Properties of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading of the pulse output (OC): \qquad Vide of teading output (OC): \qquad Vide output (OC): \qquad $	- Intr. resistance:	$R_i = 500 \Omega$			
Open collector: 24 V/4mA	Frequency				
Binary Open collector: 24 V/4mA Reed relais: 48 V/0.1A Function as state output: limit, sign change or error Properties of the value: (0.01 to1000) units pulse output (OC): Width: 7407: (1 to 1000)ms Properties of the pulse output (OC): Width: 7907: (80 to 1000)ms Inputs (optional) The inputs are galvanically isolated from the main device. A maximum of 4 inputs can be installed. Temperature Type: Pt100 four-wire circuit Range: -50°C to 400°C Resolution: 0.1 K Accuracy: \pm (0.2K + 0.1% of reading) Current Range: active: (0 to 20)mA passive: (-20 to 20)mA Active input: $R_i = 50\Omega$ Passive input: $U_{ext} < 24V$, $R_{ext} < 1k\Omega$ Voltage Range: (0 to 1)V or (0 to 10)V Accuracy: (0 to 1)V: 0.1% of reading \pm 1mV (0 to 1)V: 0.1% of reading \pm 10mV	•				
- Open collector: 24 V/4mA - Reed relais: 48 V/0.1A - Function as state output: limit, sign change or error - Properties of the pulse output (OC): Width: 7407: (1 to 1000) ms 7907: (80 to 1000)ms Inputs (optional) - The inputs are galvanically isolated from the main device A maximum of 4 inputs can be installed. Temperature - Type: Pt100 four-wire circuit - Range: -50°C to 400°C - Resolution: 0.1 K - Accuracy: ± (0.2K + 0.1% of reading) Current - Range: active: (0 to 20)mA - Accuracy: 0.1% of reading ± 10μA - Active input: R _i = 50Ω - Passive input: U _{ext} < 24V, R _{ext} < 1kΩ Voltage - Range: (0 to 1)V or (0 to 10)V - Accuracy: (0 to 10)V: 0.1% of reading ± 1mV (0 to 10)V: 0.1% of reading ± 10mV		24 V/4 mA			
- Reed relais: 48 V/0.1A - Function as state output: limit, sign change or error - Properties of the pulse output (OC): Width: 7407: (1 to 1000) units pulse output (OC): Width: 7407: (1 to 1000)ms - The inputs (optional) - The inputs are galvanically isolated from the main device A maximum of 4 inputs can be installed. Temperature - Type: Pt100 four-wire circuit - Range: -50 °C to 400 °C - Resolution: 0.1 K - Accuracy: ± (0.2K + 0.1% of reading) Current - Range: active: (0 to 20)mA - passive: (-20 to 20)mA - Accuracy: 0.1% of reading ± 10μA - Active input: R _i = 50 Ω - Passive input: U _{ext} < 24V, R _{ext} < 1kΩ Voltage - Range: (0 to 1)V or (0 to 10)V - Accuracy: (0 to 10)V: 0.1% of reading ± 1mV (0 to 10)V: 0.1% of reading ± 10mV	•	24 \//4 m A			
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state output: limit, sign change or error - Properties of the pulse output (OC): Width: 7407 : (1 to 1000) units 7907 : (80 to 1000)ms Inputs (optional) - The inputs are galvanically isolated from the main device A maximum of 4 inputs can be installed. Temperature - Type: Pt100 four-wire circuit - Range: -50° C to 400° C - Resolution: 0.1 K - Accuracy: \pm ($0.2\text{K} + 0.1\%$ of reading) Current - Range: active: $(0 \text{ to } 20)\text{mA}$ - Accuracy: 0.1% of reading \pm $10\mu\text{A}$ - Active input: $R_i = 50\Omega$ - Passive input: $U_{\text{ext}} < 24\text{V}$, $R_{\text{ext}} < 1\text{k}\Omega$ Voltage - Range: $(0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V}$ - Accuracy: $(0 \text{ to } 1)\text{V or } (0 \text{ to } 10)\text{V}$ - Accuracy: $(0 \text{ to } 1)\text{V}$: 0.1% of reading \pm 1mV ($0 \text{ to } 10\text{V}$): 0.1% of reading \pm 1mV		40 V/0.174			
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	pulse output (OC):	,			
- The inputs are galvanically isolated from the main device A maximum of 4 inputs can be installed. Temperature - Type: Pt100 four-wire circuit - Range: -50 °C to 400 °C - Resolution: 0.1 K - Accuracy: \pm (0.2K + 0.1% of reading) Current - Range: active: (0 to 20)mA passive: (-20 to 20)mA - Accuracy: 0.1% of reading \pm 10 μ A - Active input: $R_i = 50\Omega$ - Passive input: $U_{ext} < 24V$, $R_{ext} < 1k\Omega$ Voltage - Range: (0 to 1)V or (0 to 10)V - Accuracy: (0 to 1)V: 0.1% of reading \pm 1mV (0 to 10)V: 0.1% of reading \pm 10mV		7907: (80 to 1000)ms			
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Inputs (optional)				
	- The inputs are galvanica	ally isolated from the main device.			
$ \begin{array}{lll} - \mbox{Type:} & \mbox{Pt100 four-wire circuit} \\ - \mbox{Range:} & -50^{\circ}\mbox{C to } 400^{\circ}\mbox{C} \\ - \mbox{Resolution:} & 0.1\mbox{ K} \\ - \mbox{Accuracy:} & \pm (0.2\mbox{K} + 0.1\% \mbox{ of reading}) \\ \hline \mbox{Current} \\ - \mbox{Range:} & \mbox{active:} & (0\mbox{ to } 20)\mbox{mA} \\ - \mbox{Range:} & \mbox{active:} & (0\mbox{ to } 20)\mbox{mA} \\ - \mbox{Accuracy:} & 0.1\% \mbox{ of reading } \pm 10\mbox{\muA} \\ - \mbox{Active input:} & \mbox{R}_i = 50 \Omega \\ - \mbox{Passive input:} & \mbox{U}_{ext} < 24\mbox{V}, \mbox{R}_{ext} < 1\mbox{k} \Omega \\ \hline \mbox{Voltage} \\ - \mbox{Range:} & (0\mbox{ to } 1)\mbox{V or } (0\mbox{ to } 10)\mbox{V} \\ - \mbox{Accuracy:} & (0\mbox{ to } 1)\mbox{V:} \mbox{ 0.1\% of reading } \pm 1\mbox{mV} \\ \hline \mbox{(0 to } 10)\mbox{V:} \mbox{ 0.1\% of reading } \pm 1\mbox{mV} \\ \hline \end{tabular}$	- A maximum of 4 inputs of	can be installed.			
$ \begin{array}{lll} - \mbox{Range:} & -50^{\circ}\mbox{C to } 400^{\circ}\mbox{C} \\ - \mbox{Resolution:} & 0.1\mbox{ K} \\ - \mbox{Accuracy:} & \pm (0.2\mbox{K} + 0.1\% \mbox{ of reading)} \\ \hline \mbox{Current} \\ - \mbox{Range:} & \mbox{active:} & (0\mbox{ to } 20)\mbox{mA} \\ - \mbox{Range:} & (0\mbox{ to } 20)\mbox{mA} \\ - \mbox{Accuracy:} & 0.1\% \mbox{ of reading } \pm 10\mbox{\muA} \\ - \mbox{Active input:} & \mbox{R}_i = 50\Omega \\ - \mbox{Passive input:} & \mbox{U}_{ext} < 24\mbox{V}, \mbox{R}_{ext} < 1\mbox{k}\Omega \\ \hline \mbox{Voltage} \\ - \mbox{Range:} & (0\mbox{ to } 1)\mbox{V or } (0\mbox{ to } 10)\mbox{V} \\ - \mbox{Accuracy:} & (0\mbox{ to } 1)\mbox{V:} 0.1\% \mbox{ of reading } \pm 1\mbox{mV} \\ \hline \mbox{(0 to } 10)\mbox{V:} 0.1\% \mbox{ of reading } \pm 1\mbox{mV} \\ \hline \end{array}$	Temperature				
$ \begin{array}{lll} - \mbox{Resolution:} & 0.1 \ \mbox{K} \\ - \mbox{Accuracy:} & \pm (0.2 \mbox{K} + 0.1 \% \mbox{ of reading)} \\ \hline \mbox{Current} \\ - \mbox{Range:} & \mbox{active:} & (0 \mbox{ to } 20) \mbox{mA} \\ - \mbox{Range:} & (0.1 \% \mbox{ of reading} \pm 10 \mbox{\muA} \\ - \mbox{Active input:} & \mbox{R}_i = 50 \mbox{\Omega} \\ - \mbox{Passive input:} & \mbox{U}_{ext} < 24 \mbox{V}, \mbox{R}_{ext} < 1 \mbox{k} \mbox{\Omega} \\ \hline \mbox{Voltage} \\ - \mbox{Range:} & (0 \mbox{ to } 1) \mbox{V or } (0 \mbox{ to } 10) \mbox{V} \\ - \mbox{Accuracy:} & (0 \mbox{ to } 1) \mbox{V:} \mbox{0.1 \% of reading} \pm 1 \mbox{mV} \\ \hline \mbox{(0 \mbox{to } 10) \mbox{V:} 0.1 \% of reading} \pm 10 \mbox{mV} \\ \hline \end{array} $					
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$					
$ \begin{array}{lll} - & \text{Range:} & \text{active:} & (0 \text{ to } 20) \text{mA} \\ & \text{passive:} & (-20 \text{ to } 20) \text{mA} \\ - & \text{Accuracy:} & 0.1\% \text{ of reading } \pm 10 \mu \text{A} \\ - & \text{Active input:} & R_i = 50 \Omega \\ - & \text{Passive input:} & U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k} \Omega \\ \hline & \text{Voltage} \\ - & \text{Range:} & (0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V} \\ - & \text{Accuracy:} & (0 \text{ to } 1) \text{V:} & 0.1\% \text{ of reading } \pm 1 \text{mV} \\ & (0 \text{ to } 10) \text{V:} & 0.1\% \text{ of reading } \pm 10 \text{mV} \\ \hline \end{array} $		± (0.2K + 0.1% of reading)			
$\begin{array}{ccc} & passive: (-20 \ to \ 20) mA \\ - \ Accuracy: & 0.1\% \ of \ reading \pm 10 \mu A \\ - \ Active \ input: & R_i = 50 \Omega \\ - \ Passive \ input: & U_{ext} < 24 \text{V}, R_{ext} < 1 \text{k}\Omega \\ \hline Voltage & \\ - \ Range: & (0 \ to \ 1) \text{V or } (0 \ to \ 10) \text{V} \\ - \ Accuracy: & (0 \ to \ 1) \text{V: } 0.1\% \ of \ reading \pm 1 \text{mV} \\ & (0 \ to \ 10) \text{V: } 0.1\% \ of \ reading \pm 10 \text{mV} \\ \end{array}$		active: (0 to 20)mA			
$ \begin{array}{lll} \text{- Accuracy:} & 0.1\% \text{ of reading } \pm 10 \mu \text{A} \\ \text{- Active input:} & R_i = 50 \Omega \\ \text{- Passive input:} & U_{ext} < 24 \text{V}, R_{ext} < 1 \text{k} \Omega \\ \text{Voltage} & \\ \text{- Range:} & (0 \text{ to } 1) \text{V or } (0 \text{ to } 10) \text{V} \\ \text{- Accuracy:} & (0 \text{ to } 1) \text{V: } 0.1\% \text{ of reading } \pm 1 \text{mV} \\ \text{(0 to } 10) \text{V: } 0.1\% \text{ of reading } \pm 10 \text{mV} \\ \end{array} $	- Range.				
$ \begin{array}{lll} \text{- Active input:} & R_i = 50 \Omega \\ \text{- Passive input:} & U_{ext} < 24 \text{V}, R_{ext} < 1 \text{k} \Omega \\ \text{Voltage} & & & \\ \text{- Range:} & (0 \text{ to 1}) \text{V or } (0 \text{ to 10}) \text{V} \\ \text{- Accuracy:} & (0 \text{ to 1}) \text{V: 0.1\% of reading \pm 1 mV} \\ & & (0 \text{ to 10}) \text{V: 0.1\% of reading \pm 10 mV} \\ \end{array} $	- Accuracy:	. ,			
$ \begin{array}{lll} \text{- Passive input:} & U_{\text{ext}} < 24 \text{V}, R_{\text{ext}} < 1 \text{k}\Omega \\ \\ \text{Voltage} & \\ \text{- Range:} & (0 \text{ to 1}) \text{V or } (0 \text{ to 10}) \text{V} \\ \\ \text{- Accuracy:} & (0 \text{ to 1}) \text{V: 0.1\% of reading \pm 1 mV} \\ \\ & (0 \text{ to 10}) \text{V: 0.1\% of reading \pm 10 mV} \\ \end{array} $	·				
Voltage - Range: (0 to 1)V or (0 to 10)V - Accuracy: (0 to 1)V: 0.1% of reading ± 1mV (0 to 10)V: 0.1% of reading ± 10mV	- Passive input:	U _{ext} < 24V, R _{ext} < 1kΩ			
- Accuracy: (0 to 1)V: 0.1% of reading ± 1mV (0 to 10)V: 0.1% of reading ± 10mV	Voltage				
(0 to 10)V: 0.1% of reading ± 10 mV	- Range:				
	- Accuracy:				
- Intr. resistance: $R_i = 1M\Omega$	late as alst				
	- Intr. resistance:	K ⁱ = 1M7			

^{*} under reference conditions and with v>0.15 m/s

 $[\]ensuremath{^{**}}$ if reference uncertainty better than 0.2%

Connection Types



Dimensions of the Housing (in mm)

