



- ATEX / IECEx certified for Gases and Dusts
- Measurement in Zone 0/20
- Direct power supply without zener barrier
- Easy plug-in mounting
- Quick and safe installation
- No variants only one basic unit
- Enhanced temperature range -40 ... +70 °C
- Degree of protection IP66
- Analog outputs switchable between mA and V
- Outputs calibrated and scaled
- Integrated display
- Onsite parameterization
- LED status indication
- Low power input <3 W
- Cable length from the transducer to the sensor up to 100 m
- Highly resistant against corrosion by use of high-tech polymer and stainless steel

TR.Ex + IY.Ex Manual

BA.0001.04.EN

*Assembly and installation instructions for safe use of
explosion-proof transducer TR.Ex with mA/V output and
sensors IY.Ex for Temperature, Humidity, Dew point, Differential pressure,
Volume flow measurement*

ATEX Documentation

D Alle Betriebsanleitungen für ATEX Ex bezogene Produkte stehen in den Sprachen Englisch, Deutsch und Französisch zur Verfügung. Sollten Sie die Betriebsanleitungen für Ex-Produkte in Ihrer Landessprache benötigen, setzen Sie sich bitte mit Ihrem örtlichen Vertreter in Verbindung.

GB All instruction manuals for ATEX Ex related products are available in English, German and French. Should you require Ex related instructions in your local language, please contact your nearest office or representative.

F Tous les manuels d'instruction des produits ATEX Ex sont disponibles en langue anglaise, allemande et française. Si vous nécessitez des instructions relatives aux produits Ex dans votre langue, veuillez bien contacter votre représentant le plus proche.

P Todos os manuais de instruções referentes aos produtos Ex da ATEX estão disponíveis em Inglês, Alemão e Francês. Se necessitar de instruções na sua língua relacionadas com produtos Ex, deverá entrar em contacto com a delegação mais próxima ou com um representante.

DK Alle brugervejledninger for produkter relateret til ATEX Ex er tilgængelige på engelsk, tysk og fransk. Skulle De ønske yderligere oplysninger om håndtering af Ex produkter på eget sprog, kan De rette henvendelse herom til den nærmeste afdeling eller forhandler.

SF Kaikkien ATEX Ex -typpisten tuotteiden käyttöohjeet ovat saatavilla englannin-, saksan- ja ranskankielisinä. Mikäli tarvitsette Ex -typpisten tuotteiden ohjeita omalla paikallisella kielellännne, ottakaa yhteyttä lähimpään toimistoon tai edustajaan.

I Tutti i manuali operativi di prodotti ATEX contrassegnati con Ex sono disponibili in inglese, tedesco e francese. Se si desidera ricevere i manuali operativi di prodotti Ex in lingua locale, mettersi in contatto con l'ufficio più vicino o con un rappresentante.

E Todos los manuales de instrucciones para los productos antiexplosivos de ATEX están disponibles en inglés, alemán y francés. Si desea solicitar las instrucciones de estos artículos antiexplosivos en su idioma local, deberá ponerse en contacto con la oficina o el representante de más cercano.

S Alla instruktionsböcker för ATEX Ex (explosionssäkra) produkter är tillgängliga på engelska, tyska och franska. Om Ni behöver instruktioner för dessa explosionssäkra produkter på annat språk, skall Ni kontakta närmaste eller representant.

NL Alle handleidingen voor producten die te maken hebben met ATEX explosiebeveiliging (Ex) zijn verkrijgbaar in het Engels, Duits en Frans. Neem, indien u aanwijzingen op het gebied van explosiebeveiliging nodig hebt in uw eigen taal, contact op met de dichtstbijzijnde vestiging van of met een vertegenwoordiger

GR Ολα τα εγχειρίδια λειτουργιαζ των προϊούστων με ATEX Ex διατίθενται στα Αγγλικα, Γερμανικα και Γαλλικα. Σε περιπτώση που χρειαζεστε οδηγιες σχετικα με Ex στην τοπικη γλωσσα

παρακαλουμε επικοινωνηστε με το πλησιεστερο γραφειο της η αντιπροσωπη της

PL Wszystkie instrukcje obsługi dla urządzeń w wykonaniu przeciwwybuchowym Ex, zgodnych z wymaganiami ATEX, dostępne są w języku angielskim, niemieckim i francuskim. Jeżeli wymagana jest instrukcja obsługi w Państwa lokalnym języku, prosimy o kontakt z lokalnym przedstawicielem.

SK Všetky návody na obsluhu pre prístroje s ATEX Ex sú k dispozícii v jazyku anglickom, nemeckom a francúzskom. V prípade potreby návodu pre Ex- prístroje vo Vašom národnom jazyku, skontaktujte prosím miestnu kanceláriu firmy.

SLO Vsi predpisi in navodila za ATEX Ex sorodni pridelki so pri roki v angliščini, nemščini ter francoščini. Če so Ex sorodna navodila potrebna v vašem tujenjem jeziku, kontaktirajte vaš najbliži office ili predstaunika.

CZ Všechny uživatelské příručky pro výrobky, na něž se vztahuje nevýbušné schválení ATEX Ex, jsou dostupné v angličtině, němčině a francouzštině. Požadujete-li pokyny týkající se výrobků s nevýbušným schválením ve vašem lokálním jazyku, kontaktujte prosím vaši nejbližší reprezentační kancelář

H Az ATEX Ex műszerek gépkönyveit angol, német és francia nyelven adjuk ki. Amennyiben helyi nyelven kérík az Ex eszközök leírásait, kérjük keressék fel a legközelebbi irodát, vagy képviseletet.

BG Всички упътвания за продукти от серията ATEX Ex се предлагат на английски, немски и френски език. Ако се нуждаете от упътвания за продукти от серията Ex на родния ви език, се свържете с най-близкия офис или представителство на фирма

LT Visos gaminiø ATEX Ex kategorijos Eksplotavimo instrukcijos teikiami anglø, vokieèiø ir prancùzø kalbomis. Norëdami gauti prietaisø Ex dokumentacijà kitomis kalbomis susisiekite su artimiausiu bendrovës biuru arba atstovu.

RO Toate manualele de instructiuni pentru produsele ATEX Ex sunt in limba engleza, germana si franceza. In cazul in care doriti instructiunile in limba locala, trebuie sa contactati cel mai apropiat birou sau reprezentant

LV Visas ATEX Ex kategorijas izstrâdâjumu Lietoðanas instrukcijas tiek piegâdâtas angïu, vâcu un franèu valodâs. Ja vçlaties saòemt Ex ierîeu dokumentâciju citâ valodâ, Jums ir jâsazinâs ar firmas Jokogava tuvâko ofisu vai pârstâvi

M Il-manwali kollha ta' l-istruzzjonijiet għal prodotti marbuta ma' ATEX Ex huma disponibbli bl-Ingliz, bil-Ġermaniż u bil-Franċiż. Jekk tkun teħtieg struzzjonijiet marbuta ma' Ex fillingwa lokal iegħek, għandek tikkuntattja lill-eqreb rappreżentan jew uffiċċċu ta'

EST Kõik ATEX Ex toodete kasutamisjuhendid on esitatud inglise, saksa ja prantsuse keeles. Ex seadmete muukeelse dokumentatsiooni saamiseks pöörduge lähima lokagava kontori või esindaja poole

Sicherheitshinweise

Safety Notes

Consignes de Sécurité

Ex-Bereich
Hazardous area
Zone dangereuse
Zone 0,1,2,20,21,22

Zone 1,2,21,22



Sicherer Bereich
Safe area
Zone de sécurité

Ta (T6) -40...65 °C
Ta (T5) -40...80 °C
Ta (T4) -40...115 °C
Ta (T3-1) -40...125 °C

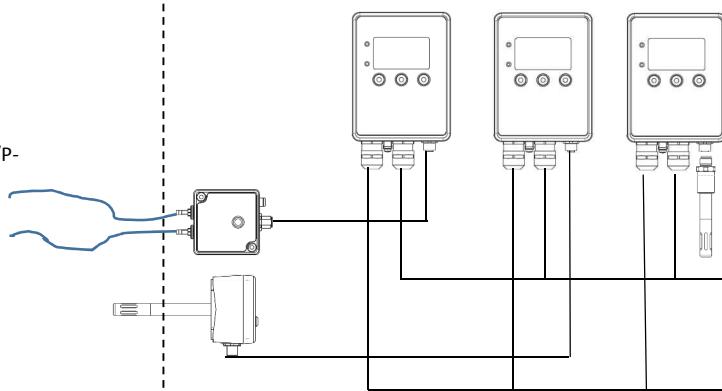
IY.Ex

Ui = 4,6 V DC
Ii = 107 mA
Pi = 428 mW
Ci = 1,034 µF
Li = 0 mH

TR.Ex

Ta (T4) : -40 ... +70 °C
Uo ≤ 4,6 DC
Io ≤ 107 mA
Po ≤ 428 mW
Co = 5,3 µF
Lo = 0,10 µH

P+/P-



Ex e (Klemmen/terminals 3,4,5)
Analogausgang 0/4 ... 20 mA
Analog output 0/2 ... 10 V
Sortie analogique

Ex e (Klemmen/terminals 1, 2)
Versorgung 20 ... 28,8 VAC/DC
Supply 50/60 Hz
Alimentation

- Installieren Sie gemäß Herstellerangaben und für Sie gültigen Normen und Regeln.
- Das Entriegeln des Gerätes oder öffnen des Klemmkastens ist nur im spannungslosen Zustand gestattet.
- Beim Einbau des Gerätes ist darauf zu achten, dass die Gehäuseschutzart IP66 nach EN 60529 eingehalten wird.
- Dieses Betriebsmittel kann nach Herstellerangaben in der Zone 1, 21 (II 2GD) bzw. Zone 22 (II 3GD) eingesetzt werden.
- Der Sensorstromkreis darf in die Zone 0 (II 1G) eingeführt werden. Entspricht der Bezeichnung II 2(1)G.
- Die Geräte dürfen nur in Messstoffen eingesetzt werden, gegen welche die prozessberührenden Materialien beständig sind.
- Das Gerät ist an den Potenzialausgleich (PA) anzuschließen, dazu steht ein innerer und äußerer Anschluss zu Verfügung.
- Das Gerät ist vor mechanische Belastung und UV Licht zu schützen.

- Install in accordance with manufacturer's instructions and valid standards and rules.
- Unlocking the device or opening the terminal box is only permitted with the power off.
- When installing the unit, make sure that the housing protection type IP66 is maintained in accordance with EN 60529.
- This equipment can be used according to manufacturers' instructions in Zone 1, 21 (II 2GD) and 22. (II 3GD).
- The sensor circuit can be introduced into the zone 0 (II 1G). Corresponds to the designation II 2 (1) G.
- The device may only be used in measurement media, against which the process-contacting materials are resistant.
- The unit must be connected to the potential equalization (PA), an internal and external terminal is available.
- The unit must be protected against mechanical impact/pressure and UV light.

- Installer conformément aux instructions et aux normes et règles en vigueur du fabricant.
- Libérer l'appareil ou ouvrir la boîte à bornes ne est autorisée qu'avec l'appareil hors tension.
- Lors de l'installation, assurez-vous que le degré de protection IP66 boîtier est maintenu conformément à la norme EN 60529.
- Cet équipement peut être utilisé selon les instructions du fabricant dans la zone 1, 21 (II 2 GD) et 22 (II 3GD).
- Le circuit de capteur peut être introduit dans la zone 0 (II 1G). Correspond à la désignation II 2 (1) G.
- Le dispositif ne peut être utilisé dans de tels liquides, contre lequel les matériaux de traitement contact sont résistants.
- L'appareil est connecté à la liaison équipotentielle (PA) pour rejoindre, ceci est une borne interne et externe à votre disposition.
- L'appareil doit être protégé contre les chocs mécaniques et la lumière UV.

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1. General

The manual is included in the delivery and serves to ensure proper handling and optimum functioning of the device. The manufacturer offers no guarantee for this publication and is not liable for any improper handling of the products described. For this reason, the manual has to be read before operation. In addition, all personnel who are involved in the transport, setup, operation, maintenance and repair are to be familiar with this manual. This manual may not, without the prior written consent of the manufacturer be used for competition purposes and will not be passed on to third parties. Copies for personal use are permitted. This documentation may contain technical inaccuracies or typographical errors. The information shall be revised periodically and is subject to modifications. The manufacturer reserves the right to modify or alter the product described at any given time.

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SYMBOLS



This sign shows
Safety notes.

Safety notes must be followed. Failure to observe may result in personal injury or property damage. The manufacturer assumes no liability.

SAFETY NOTES



Installation, electrical connection, maintenance and commissioning may only be performed by trained specialist.



Avoid excessive mechanical loads and improper use.



Switch off power when mounting and dismounting



The display loses contrast and brightness in the cold conditions. Regenerates when the temperature rises to its original state.

2. Product description

A basic unit TR.Ex and various sensors of the series IY.Ex solve a variety of measurement tasks. The sensors are available for multi-functionality, high accuracy and simple assembly.

The following sensors are available

- Temperature
- Temperature and humidity, dew point
- Differential pressure, volume flow
- Special sensors on request

In addition, the feelers/probes allow an on-site commissioning and the LCD display serves as an on-site value measurement. The integrated terminal box of protection Ex e guarantees a direct electrical connection in the hazardous area.

Due to the modular concept, separation of electronics and mounting plate, a simple, easy installation and commissioning is guaranteed.

Options such as different sensor cables for difficult installation conditions supplement the product portfolio. Calibration of the measuring chain are made as easy as possible by the design of the device.

MEASUREMENT PRINCIPLE

The physical unit is detected in the series sensors IY.Ex. The measured value is digitally processed. The transfer to the transmitter TR.Ex is carried out by an "intelligent" protocol that enables easy-to-change sensors and is open for future sensors.

The robust, interference-free signal from the sensor to transmitter allows even in harsh industrial environments to transfer up to 100 m.

In this TR.Ex transmitter, this signal is converted into freely scalable analog outputs. You can choose between voltage and current outputs which can be set by software menu.

3. Technical Data

TR.Ex TRANSDUCER

SUPPLY			
Voltage	20 – 28,8		V AC/DC
Frequency	50 – 60		Hz
Power input/consumption	3 / 5		W / VA
OUTPUTS			
Voltage / current selectable	0 – 10 / 0 – 20		V DC / mA
Accuracy	0,1		% FS
Influence of temperature	< 0,01		%/K
Effect of load	0,1/100		%/Ohm
DISPLAY / BUTTON / LED			
LCD, backlight	128 x 64		pixel
Micro push button	> 1 Mio.		cycles
LED red / green	Status indication		
HOUSING			
High Tech Polymer	halogen-, silicon-, PVC		free
Surface resistance	< 10^9		Ohm
Corrosion durability	On- and Offshore		With high salinity
GENERAL			
Terminal cross-section	0,08 – 2,5	mm	without end sleeve
ATEX/IECEx Ex e	0,25 – 1,5	mm	with end sleeve
Cable connections M20x1,5 ATEX/IECEx Ex e	6 - 13		Ø mm
Dimensions H x W x D	175 x 110 x 56		mm
Weight	800		g
MATERIALS			
Housing	High Tech Polymer	electrostatically conductive	
Front plate, Screws	Stainless steel		
Seals	EPDM		
Cable connection	Ms plated		
Sensor connection M12	Ms plated		
APPLICATION			
Ambient- and storage temperature	-40 ... +70		°C
Humidity, without condensation	0 ... 100		%rH
Mountion position	any, recommendation vertical		

IY.Ex -P... DIFFERENTIAL PRESSURE/VOLUME FLOW

TYPES AND MEASUREMENT RANGE			
IY.Ex-P-0100	-100 – 100		Pa
IY.Ex-P-0250	-250 – 250		Pa
IY.Ex-P-0600	-600 – 600		Pa
IY.Ex-P-1250	-1250 – 1250		Pa
IY.Ex-P-2500	-2500 – 2500		Pa
ACCURACY			
Accuracy „total“ 100 / 250 / 600 / 1.000 / 2.500 Pa	2,0 / 2,0 / 1,5 / 1,0 / 1,0		% FS
Accuracy „typical“	< 0,5		% FS
Long term stability 1.000 h / 25 °C	0,5		%
MTTF (Sensor)	4.611.965		h
SUPPLY Ex i			
Voltage Ui	4,6		V
Current Ii	0,107		A
Power Pi	0,428		W
Capacitance Ci	1,034		µF
Inductance Li	0		µH
HOUSING			
High Tech Polymer	halogen-, silicon-, PVC		free
Surface resistance	< 10^9		Ohm
Corrosion durability	On- and Offshore		With high salinity

IY.Ex -RT / RTH-... TEMPERATURE / TEMPERATURE-HUMIDITY-DEW POINT (ROOM)

TYPES AND MEASUREMENT RANGE		
IY.Ex-RT Room Temperature feeler/probe	-40 ... +125	°C
IY.Ex-RTH Room Temperature-humidity feeler/probe	-40 ... +125 / 0 ... 100	°C / %RH
ACCURACY		
Accuracy temperature @.0 ... 60 °C	< 0,5	°C
Accuracy temperature @.-40 ... 0, @ 60 ... 125 °C	< 0,5 °C + 0,03°C/K	°C/K
Accuracy humidity	2,0	% FS
Hysteresis	1,0	%
Long term stability 1.000 h / 25 °C	0,5	%
MTTF (Sensor)	9.312.507	h
SUPPLY EX I		
Voltage	Ui	4,6
Current	Ii	0,107
Power	Pi	0,428
Capacitance	Ci	0,33
Inductance	Li	0
MATERIALS		
Thermowell, end cap	Stainless Steel	
Seals	EPDM	
Sensor connection M12	brass plated	
APPLICATION		
Ambient-, storage temperature	-40 ... +125	°C
Humidity, without condensation	0 ... 100	%RH
Mounting position	Any, recommendation vertical	

IY.Ex -DT / DTH-... TEMPERATURE / TEMPERATURE-HUMIDITY-DEW POINT (DUCT)

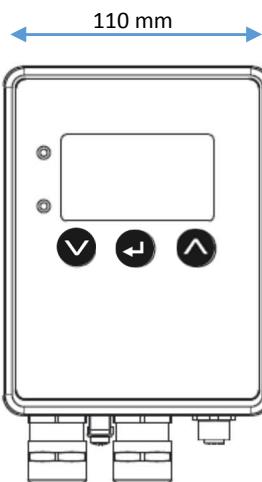
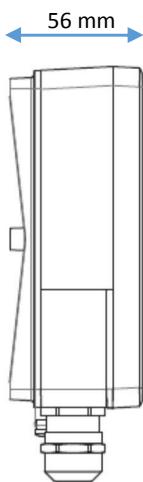
TYPES AND MEASUREMENT RANGE		
IY.Ex-DT-50	Duct Temperature Probe 50 mm	-40 – 125
IY.Ex-DT-100	Duct Temperature Probe 100 mm	-40 – 125
IY.Ex-DT-200	Duct Temperature Probe 200 mm	-40 – 125
IY.Ex-DTH-50	Duct Temperature Humidity Probe 50 mm	-40 – 125 / 0 – 100
IY.Ex-DTH-100	Duct Temperature Humidity Probe 100 mm	-40 – 125 / 0 – 100
IY.Ex-DTH-200	Duct Temperature Humidity Probe 200 mm	-40 – 125 / 0 – 100
ACCURACY		
Accuracy temperature max.	0,5	
Accuracy temperature @.-40 ... 0, @ 60 ... 125 °C	< 0,5 °C + 0,03°C/K	
Accuracy humidity total error band	2,0	
Hysteresis	1,0	
Long term stability 1.000 h / 25 °C	0,5	
MTTF (Sensor)	9.312.507	
SUPPLY Ex i		
Voltage	Ui	4,6
Current	Ii	0,107
Power	Pi	0,428
Capacitance	Ci	1,034
Inductance	Li	0
MATERIALS		
Front plate	Stainless Steel	
Screws	Stainless Steel	
Seals	EPDM	
Sensor connection M12	Zn nickel plated	
APPLICATION		
Ambient-, storage temperature	-40 ... +125	°C
Humidity, without condensation	0 ... 100	%RH
Mounting position	any, recommendation vertical	

CERTIFICATES

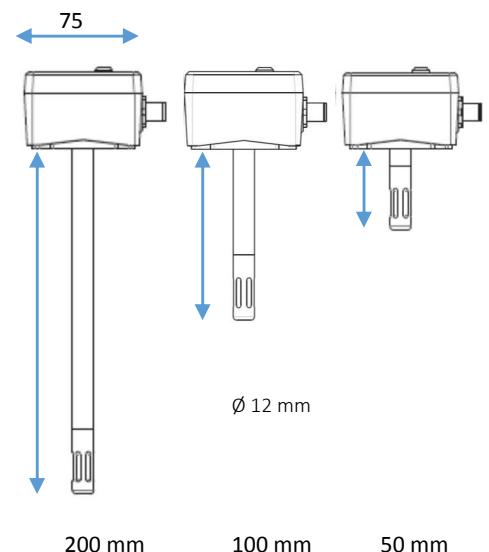
TR.EX	ATEX IECEx	EPS 14 ATEX 1 789 X IECEx EPS 14.0101X	II2(1)G Ex eb mb ib [ia Ga] IIC T4 Gb II2(1)D Ex tb [ia Da] IIIC T130 °C Db
IY.Ex	ATEX IECEx	EPS 14 ATEX 1 789 X IECEx EPS 14.0101X	II1/2G Ex ia IIC T6/T5/T4 Ga/Gb II1/2D Ex ia IIIC T130 °C Da/Db

4. Dimension

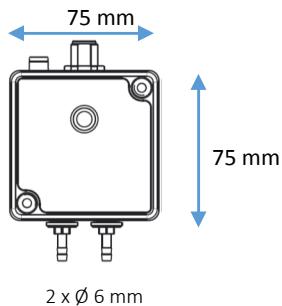
TR.EX



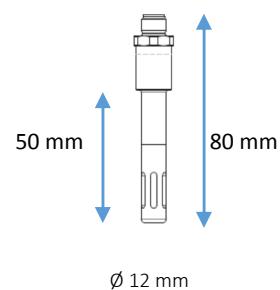
IY.Ex-D.... (DUCT/KANAL)



IY.Ex-P....(PRESSURE/DRUCK)



IY.Ex-R....(ROOM/RAUM)

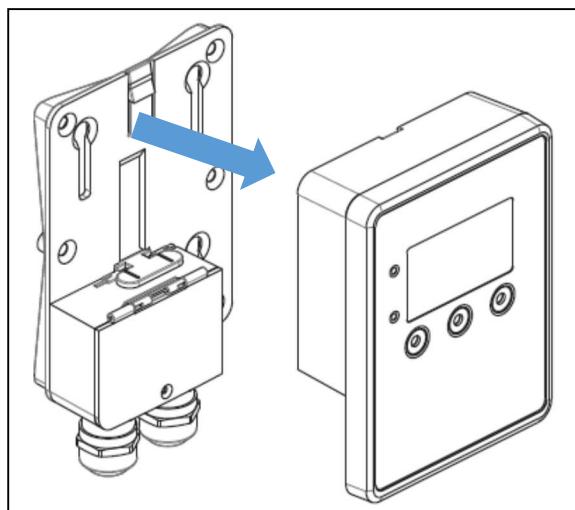
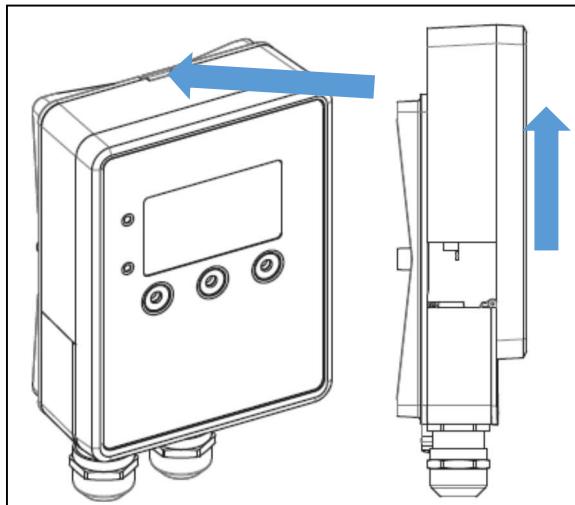


5. Assembly / Installation

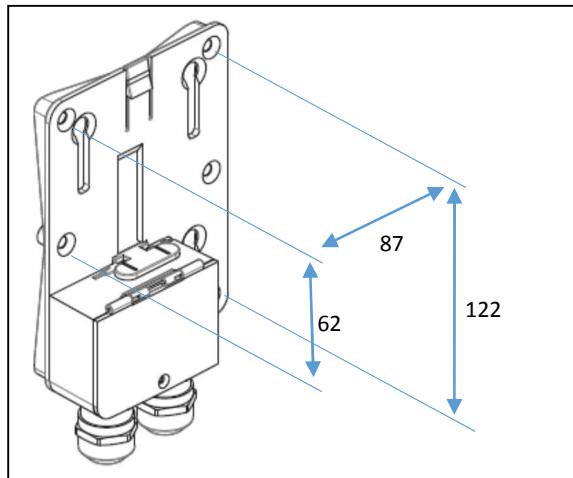
UNLOCK ELECTRONIC

! Switch off power and check

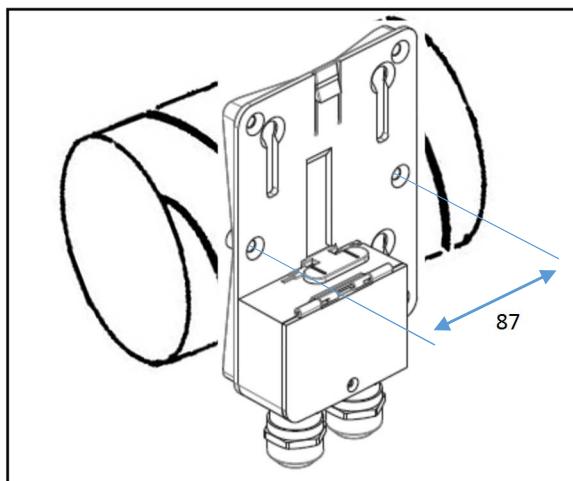
- Press down release tab carefully
- Slide electronic module up and
- Remove forward



WALL MOUNTING



DUCT MOUNTING



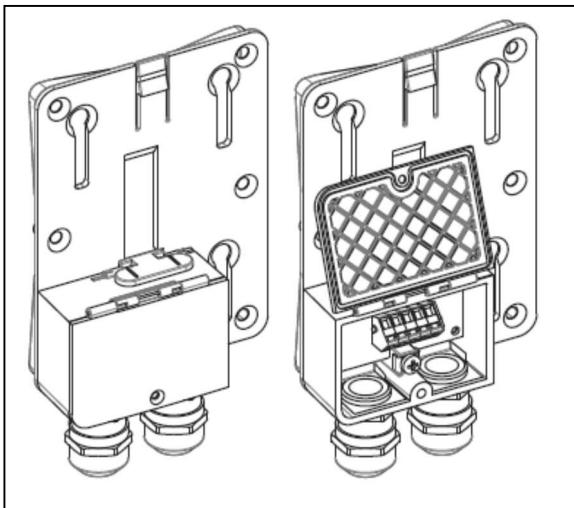
MOUNTING FRAME

- Drill holes according to the drilling plan (see illustration)
- Mount base frame with delivered screws.
- Make sure when mounting that the mounting frame is not under strain or sags
- For outdoor mounting make sure that no water accumulates or frost can form

ELECTRICAL CONNECTION

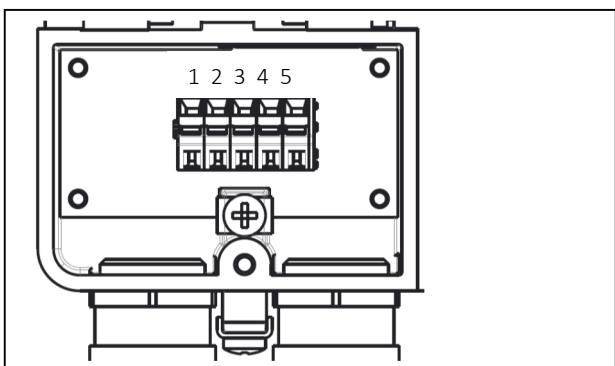
The integrated electrical connection box protection type Ex e enables direct contact to the supply and the analog outputs. Pursuant to IEC61010, the power supply is to be protected with a fuse < 10 A.

- Switch off power and check
- Unlock electronic part
- Remove M3 screw from cover
- Open cover
- Remove protection of the cable connection
- Insert cable
- Strip cable (6 mm)
- Open clamp by pressing gently with a screwdriver
- Slide wire/s in
- Remove screwdriver
- Close cover
- Tighten cable screws
- Close unused opening with blind plugs



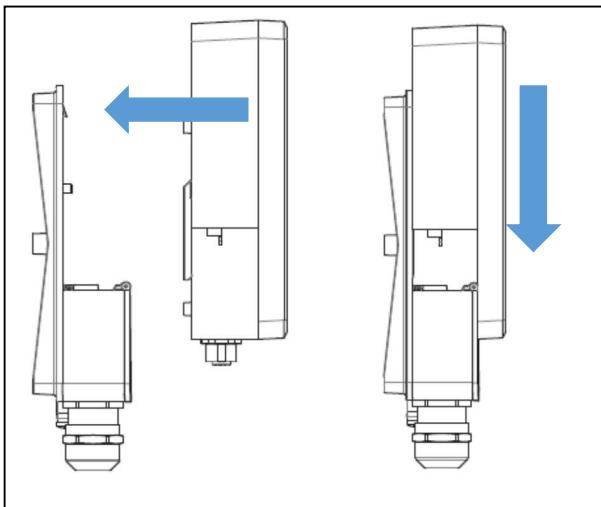
WIRING DIAGRAM

- Terminal 1, 2 Supply
- Terminal 3, 4 (GND) Channel 1
- Terminal 5, 4 (GND) Channel 2

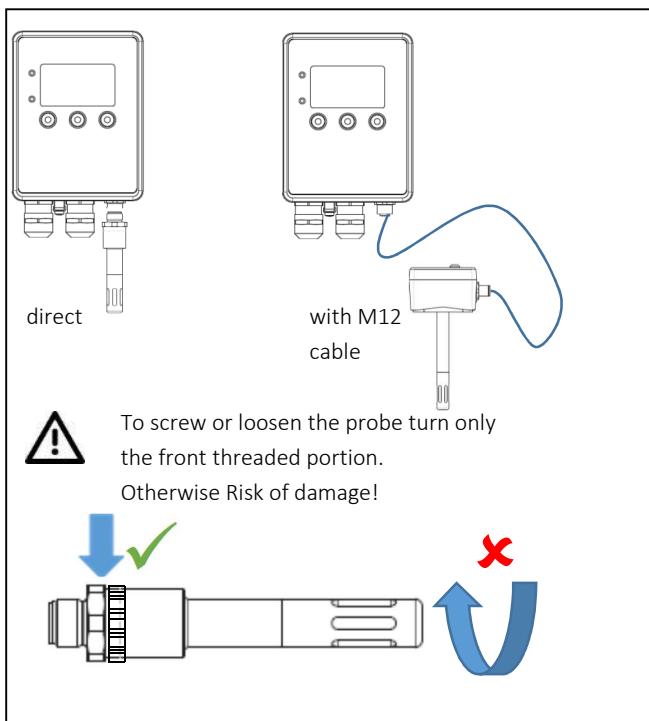


LOCK ELECTRONIC

- Attach electronic part
- Lock by sliding together



MOUNTING PROBE/FEELER



Installation of a fixed probe/feeler:

- The transducer must be installed so that the feeler/probe is facing down!

Mounting a remote probe/feeler:

- Using a pluggable connection cable, the probe/feeler can be located up to 100 m.
- The probe/feeler must be mounted so that no moisture can enter. If possible, a drip should be fitted for each assembly
- The connection cable must be shielded

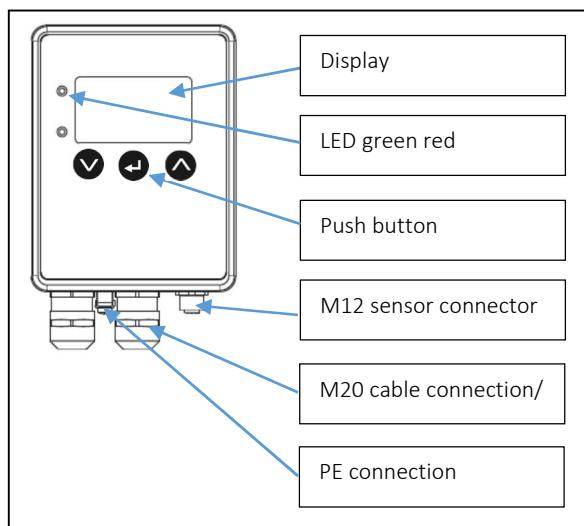
6. Commissioning

Make sure that the device is properly installed in accordance with the preceding chapters and has been connected and the power supply with the specifications on the nameplate.

Turn on the power supply.

- Display switches to normal
- Sensor data loads
- LED lights green when probe/feelers connected and within the set measuring range.

7. Operation



8. Dismantling

- Disconnect power and check
- Press down release tab carefully
- Slide out electronics module
- Open the terminal box
- Remove cable

9. Calibration analog outputs

The TR.Ex has the menu item "Output calibration" a function in the analog outputs can be checked / calibrated.

In parameterization mode (see Chapter 10) can be preselected volts or millamps. Using the arrow keys, you can now define the desired output value at the outputs.

Based on the measurement results can be the deviation setpoint / actual value in the simplest way.

$$\text{deviation in \%} = \frac{\text{setpoint} - \text{actual value}}{\text{scale value}} \times 100 \%$$

Setpoint value	via the menu
Actual value	value analog output
Scale value	most 10V or 20mA

e.g.

$$\text{deviation in \%} = \frac{12 \text{ mA} - 11,95 \text{ mA}}{20 \text{ mA}} \times 100 \% = 0,25 \%$$

10. Parameterization

	ACTION	DISPLAY	ACTION	DISPLAY	ACTION	DESCRIPTION	ACTION
PARAMETER MODE						Push 3 seconds	
LANGUAGE SETTING	 	D Deutsch GB English F Francais E Espanol I Italiano				Select using keys desired language press enter	
SENSOR SETTING				mA Volt	 	Select mA or Volt at the output channels 1 / 2	
		Output mA / Volt		temperature relative humidity dew point pressure	 	Select sensor for next steps	
		Select sensor		°C, °F, K, °Ra, %rF, % rH	 	Define unit	
		Select unit		Pa, mbar, ...	 	Measuring range lower - upper limit	
		Measurement range		0,00 100	 	Set Offset	
		Offset		0,000	 	Which channel should be output	
		Select channel		Channel 1 Channel 2	 	Scaling from - to	
		Output range		4,00 20,00	 		
		Output		normal invers	 		
		Sensor error		0 20	 	Output signal in case of failure	
		Damping		1 50	 	1 = no damping 50 = 5 seconds	
		Zero compensation			 	Pressure connection short circuit	
		k-Factor		1 10000 back to main	 	k=0 no VAV measurement	
FACTORY SETTING							
	 	Factory settings		Load factory settings Back to main menu	 		
OUTPUT CALIBRATION							
	 	Output		mA Volt	 	Set values are to be measured on channel 1 and 2	
		Value		0,0 20,0			
PASSWORD							
	 	Password Save Password		0 0 0 0 Yes / no	 		
DISPLAY							
	 	Display		Light on Light off	 		
SAVE							
	 	Save		Save Discard Back to main menu	 		

11. Error Message

No Display / LED

- Check power supply
- Check if mounting frame and electronics are locked

No output signal

- Check power supply (LED red/green)
- Check wiring
- Check parameterizing

Red LED

- Reading out of range
- Sensor line break

12. Maintenance

The device is maintenance free annual function testing and regular cleaning of dust and dirt with a damp cloth is recommended.

13. Repair

Return of a device to claim services. The installation and operation of the TR.Ex in accordance with this manual are very unproblematic. Should the unlikely event occur that a device has to be returned for repair or testing to our service department, a return form is provided under "service address" on the last page.

14. Disposal

Every year, thousands of tons of polluting electronic components land on landfills around the world. To ensure the best possible disposal or recovery of electronic components, the European Union has adopted the WEEE Directive. (Waste Electrical and Electronic Equipment) Please return these products directly to us at the end of their lifecycle so that we can dispose of them properly. The WEEE is an important contribution to the environment and we are happy to help protect the environment with this disposal concept.

15. Accessories Spare Parts

TITLE

Filter cap pore size 10 µm	FKP-010-V4A
1 m M12 cable for remote measurement	M12-5P-PUR-1m
5 m M12 cable for remote measurement	M12-5P-PUR-5m
10 m M12 cable for remote measurement	M12-5P-PUR-10m
Cable glands M20x1,5 Ms/Ni	KLE-M20-MsNi
Pressure connector M5 to tube 6 mm	DAS-M5-6
Package Contents 2 pieces	(Standard)
Pressure connector M5 to tube 4 mm	DAS-M5-4
Package Contents 2 pieces	
M5 thread enlargement to 1/8"	GWT-M5-1/8R
Package Contents 2 pieces	
M5 thread enlargement to 1/4"	GWT-M5-1/4R
Package Contents 2 pieces	
1/8" clamp fitting to 6 mm tube V4A	SRV-1/8-6
1/8" clamp fitting to 8 mm tube V4A	SRV-1/8-8

Revision Status

VERSION	DATE	SUPPLEMENT / CHANGE / NOTE
01	2015-09-30	First Edition
02	2016-03-16	Volume flow and dew point
03	2016-04-20	Adapt new ATEX guideline
04	2016-05-06	Rename to IY.Ex

**EU Konformitätserklärung
EU Declaration of Conformity
Déclaration de Conformité UE**

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erklärt als Hersteller in alleiniger Verantwortung, dass das Produkt
declares as manufacturer under sole responsibility that the product
déclare sous sa seule responsabilité en qualité de fabricant que le produit

TR.Ex

IY.Ex

den Vorschriften folgender Europäischer Richtlinien durch Anwendung harmonisierter Normen entspricht:
conforms with the provisions of the following European Directives by applying the harmonised standards:
est conforme aux prescriptions des Directives Européennes suivantes par l'application des normes harmonisées :

Richtlinien/Directives/Directives	Normen/Standards/Normes	Ex-Normen/Ex-Standards/Normes Ex
2014/35/EU (LVD)	EN 61010-1 (2010)	EN 60079-0 (2014)
2014/30/EU (EMC)	EN 60529 (2012)	EN 60079-7 (2007)
2014/34/EU (ATEX)	EN 61326-1 (2006)	EN 60079-11 (2012)
2012/19/EU (WEEE)	EN 61326-2-3 (2006)	EN 60079-18 (2015)
2011/65/EU (RoHS)		EN 60079-26 (2007) EN 60079-31 (2009)

EG-Baumusterprüfungsberechtigung Nr: EC-Type Examination Certificate No: Numéro de l'attestation d'examen CE de type:	Transmitter	EPS 14 ATEX 1 789 X II 2(1)G Ex eb mb ib [ia Ga] IIC T4 II 2(1)D Ex tb [iaD] IIIC 130 °C	(Gb) (Db)
	Sensor	II 1/2G Ex ia IIC T6/T5/T4 II 1/2D Ex ia IIIC 130 °C	(Ga/Gb) (Da/Db)

Benannte Stelle Qualitätssicherung
Notified Body Quality assurance
Organisme Notifié Système d'assurance qualité

Bureau Veritas / 2004

Nürnberg, 20. April 2016
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