SUPREME SENSORING



TYPICAL TWK PRODUCT RANGE 2022



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BRIEF INTRODUCTION

"Thanks for your interest in our products and for taking the time to look through this brochure. You may well have been a customer for many years, or perhaps you are just getting to know us. So a brief introduction: TWK has been manufacturing high-quality sensors for various applications since 1962 – all Made in Germany. Today our range has grown to over 130 model lines, which you can easily learn more about on our website. This brochure deliberately introduces only a few typical examples and strengths of TWK as well as providing an overview of our product groups. Just have a browse." 6 | CATEGORY: ROTARY ENCODERS



TRT/S3 – THE TOUGH

A prime example of an absolute singleor multi-turn rotary encoder. High vibration, shock and salt water-resistant design. An extremely durable model with PROFIsafe over PROFINET interface.





OUR SPECIFIC HIGHLIGHTS

- Absolute rotary encoder
- Designs from 58 to 105 mm
- PROFIsafe over PROFINET
- Single- or multi-turn design
- SIL2 IEC 61508 & PLd ISO 13849
- Various flange & shaft versions
- Aluminium or stainless steel housing
- Non-contact & wear-free sensor system
- High vibration & shock resistance
- Protection class IP66 to IP69K
- Reliable position & speed output
- Parametrisable via PROFINET
- Data sheet number 12845

KEYWORD: SAFETY

"What's the situation at your company? For many of our customers the focus is on reliable performance, functional reliability and internal plausibility checks in the sensor. That's why we have a large selection of SIL2/PLd-certified types in the range. But if you prefer makes with a redundant design for your application – no problem. We have the right type for you and naturally also boast numerous EX-protected solutions for use in sensitive hazardous areas in zones 2, 22 or even 1. Strictly in line with ATEX – for plants, people and the environment."

Andreas Meyer Product Manager



MORE FAVOURITES AT A GLANCE

TRK/S3 SIL2

Basic principle Design Interface Type Certification

Flange & shaft Housing material Data sheet number Absolute 38 to 105 mm FailSafe over EtherCAT Single- or multi-turn SIL2 IEC 61508, PLd ISO 13849 Various versions Aluminium or stainless steel 13348

TRN/S4

Basic principle	Absolu
Design	42 to
Interface	CANo
Туре	Single
Certification	SIL2 I
Flange & shaft	Variou
Housing material	Alumir
Data sheet number	14271

Absolute 42 to 58 mm CANopen, CANopen Safety Single- or multi-turn SIL2 IEC 61508 Various versions Aluminium or stainless steel 14271

TRE58

Basic principleAbsoluteDesign58 mmInterfaceSSITypeSingle- or multi-turnFlange & shaftVarious versionsHousing materialAluminium or stainless steelData sheet number14270

TRA50

Basic principle	Absolute
Design	50 mm
nterface	CANopen, SSI & analogue
Гуре	Multi-turn
lange & shaft	Various versions
Housing material	Aluminium or stainless steel
Data sheet number	11820

FOI

Basic principle Design Flange & shaft Housing material Impulse Data sheet number Incremental 58 mm Various versions Aluminium 1 to 16,384 pulses/360° 14848

TKN46

Basic principleAbsoluteDesignPrinted circuit board &
magnet kitInterfaceCANopenTypeSingle- or multi-turnData sheet number12638

OVERVIEW OF THE ENTIRE RANGE

- Basic principle: absolute or incremental
- Designs from 12 to 105 mm
- CANopen, CANopen Safety, PROFIBUS, PROFINET, PROFIsafe over PROFINET, EtherCAT, FailSafe over EtherCAT, EtherNet/IP, SSI, analogue, potentiometric
- Single- or multi-turn design
- SIL2 IEC 61508, PLd ISO 13849 or ATEX
- Various flange & shaft versions
- Various connector & cable versions
- Housing manufactured from different types of aluminium & stainless steel
- 1 to 16,384 pulses/360°
- Resolution up to 65,536 steps/360°

- Measuring range up to 4,096 revolutions
- Non-contact & wear-free sensor system
- High vibration & shock resistance
- Degrees of protection IP65 to IP69K
- Parametrisable
- Magnetic sensor system
- Position & speed signal
- Twin chamber system to separate the rotor & electronics
- Operating temperature from -40 to +85 °C
- Optional shielded housing to protect against strong magnetic fields
- Optional ATEX design



All rotary encoders? You can find them online here.

Looking for a miniature solution? Give us a call.

ROTARY ENCODER AT WORK

e.g. HYDRAULIC ENGINEERING



LIFT BRIDGE CONSTRUCTION



LOCK CONSTRUCTION













A prime example of a redundant inclinometer. MEMS, preset function and synchronisation monitoring included. As of mid-2019 it was the only certified PROFIsafe over PROFINET inclinometer on the market.





OUR SPECIFIC HIGHLIGHTS

- Designs: 65 & 90 mm
- PROFIsafe over PROFINET
- SIL2 IEC 61508 & PLd ISO 13849
- Aluminium or stainless steel housing
- 1 or 2 measuring axes
- Measuring range: ±5° to ±100° & 360°
- Sensor fusion with gyroscope
- 6 different installation positions
- Preset function
- Protection class IP66 to IP69K
- High vibration & shock resistance
- Incline recording using MEMS sensors
- Redundant MEMS sensor system
- Integrated 2-fold switch
- Data sheet number 13911







MORE FAVOURITES AT A GLANCE

NBN/S3 SIL2

Design Interface Certification Housing material Measuring axes Measuring range Special equipment Data sheet number 65 & 66 mm CANopen Safety SIL2 IEC 61508 Aluminium or stainless steel 1 or 2 ±5° to ±100° & 360° Sensor fusion with gyroscope 12054

NBT65

Design Interface Housing material Measuring axes Measuring range Special equipment Data sheet number 65 mm PROFINET Aluminium or stainless steel 1 or 2 ±5° to ±100° & 360° Sensor fusion with gyroscope 14635

NBT90

Design Interface Housing material Measuring axes Measuring range Special equipment Data sheet number 90 mm PROFINET Extruded aluminium profile 1 or 2 ±5° to ±100° & 360° Sensor fusion with gyroscope 14635

NBN65

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esign	65 mm
terface	CANopen
ousing material	Aluminium or stainless steel
leasuring axes	1 or 2
leasuring range	±5° to ±100° & 360°
pecial equipment	Sensor fusion with gyroscope
ata sheet number	11918

NBN66

Design
Interface
Housing material
Measuring axes
Measuring range
Special equipment
Data sheet number

66 mm CANopen Extruded aluminium profile 1 or 2 ±5° to ±100° & 360° Sensor fusion with gyroscope 11918

NBA65

Design65 mmInterfaceAnalogueHousing materialAluminium or stainless steelMeasuring axes1 or 2Measuring range±5° to ±100°Data sheet number11918

OVERVIEW OF THE ENTIRE RANGE

- Designs from 65 to 90 mm
- CANopen, CANopen Safety, PROFINET, PROFIsafe over PROFINET, analogue
- SIL2 IEC 61508 or PLd ISO 13849
- Housing manufactured from different types of aluminium & stainless steel
- Various connector & cable versions
- 6 installation positions
- Non-contact & wear-free sensor system
- Incline recording using MEMS sensors

- 1 or 2 measuring axes
- Measuring range ±5° to ±100° & 360°
- Preset function
- Degrees of protection IP66 to IP69K
- High vibration & shock resistance
- Parametrisable
- Optional sensor fusion with gyroscope
- Optional output of the angular velocity by the gyroscope
- Optional output of acceleration instead of angle



All inclinometers? You can find them online here.

Pending certifications? Please feel free to contact us.

INCLINOMETER AT WORK

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e.g. FUNCTIONAL SAFETY





oto: Goran Bogicevic (shutterstock



SORS

NVA/S3 – THE CHECKER

A prime example of a redundant vibration sensor. With MEMS-based acceleration recording and digital signal processing with monitoring and safety shut-off function. The smart partner for harsh operating conditions.





OUR SPECIFIC HIGHLIGHTS

- Designs: 115 & 120 mm
- Aluminium housing
- CANopen or CANopen Safety
- 2x analogue, 2x safety relay
- Measuring range ±2 g, higher is also possible
- PLd ISO 13849
- Frequency range 0.05 to 60 Hz
- Safety shut-off function
- Relay self-test function
- Adjustable relay shut-off time
- Instantaneous value, RMS, peak, etc., selectable
- Fourier analysis for the frequency range
- Parametrisable via CANopen
- Protection class IP67 to (optional) IP69K
- Data sheet number 13482





KEYWORD: INNOVATION

"Which technical changes will be critical for your industry in the coming years? This question motivates and drives us on in the development of the products of tomorrow and the targeted expansion of our range. And we are constantly working on targeted solutions – often also together with a customer. This means that at the exact time you are browsing through this brochure, we are certain to already have something new in store. So, regardless of whether you are looking at current or future requirements, get in touch with us. It's worth it."

Cedric Petersen Development Engineer



MORE FAVOURITES AT A GLANCE

NVA115/S3 PLd

Design

Interface

Certification

Housing material

Measuring range

Frequency filters

Frequency range

Data sheet number

NVA120

Design Interface

Certification Housing material Measuring range Frequency filters Frequency range Data sheet number 120 mm CANopen Safety, Safety-Relay & analogue Optional PLd ISO 13849 Extruded aluminium profile ±2 g 1 to 6 0.05 to 60 Hz 13482

NVT90/S3 PLd

Design 90 mm Interface **PROFIsafe over PROFINET** PLd ISO 13849 Certification Housing material Extruded aluminium profile Measuring range ±2 g Frequency filters 1 to 6 0.05 to 60 Hz Frequency range Data sheet number 14587

115 mm

±2 g

1 to 6

13482

CANopen Safety, Safety-

Relay & analogue

Die-cast aluminium

PLd ISO 13849

0.05 to 60 Hz

NVA65

Design65 mmInterfaceCANopen, relay &
analogueHousing materialAluminium or stainless steelMeasuring range±2 gFrequency filters1 to 6Frequency range0.1 to 60 HzData sheet number12634

OVERVIEW OF THE ENTIRE RANGE

- Designs from 65 to 120 mm
- Housing manufactured from different types of aluminium & stainless steel
- CANopen, CANopen Safety, PROFINET, PROFIsafe over PROFINET, analogue
- PLd ISO 13849
- Switching outputs with relay or safety relay
- Measuring range ±2 g, higher is also possible
- 1 to max. 6 frequency filters
- Non-contact & wear-free sensor system
- Acceleration recording using MEMS sensors
- Frequency range 0.05 to 60 Hz
- Selectable filter type
- Safety shut-Off function

- Adjustable relay shut-off time
- Fourier analysis for the frequency range
- Output of the RMS average
- Output of the peak value
- Output of the instantaneous value
- Resolution up to 4,096 digit/g
- Protection class IP67 & (optional) IP69K
- Operating temperature from -40 to +85 °C
- Parametrisable
- Optional special installation positions
- Integral function
- Relay self-test function
- Various connector & cable versions



All vibration sensors? You can find them online here.

Different interface requirement? Get in touch with us.

VIBRATION SENSOR AT WORK

e.g. RENEWABLE ENERGIES







ONSHORE WIND ENERGY



OFFSHORE WIND ENERGY



INTERAR INTERAR & S

SDUCERS CANNERS

PWA – THE COMBINER

A prime example of an absolute linear transducer. New planar coil measuring system with the precision of a lasertrimmed potentiometer and the durability of inductive position sensors – a smart combination.





OUR SPECIFIC HIGHLIGHTS

- Inductive resonator measuring system
- Recording of absolute positions
- Measuring range up to 200 mm
- Analogue interface
- Accuracy ±0.05 %
- Protection classes up to IP67
- Aluminium housing
- Non-contact & wear-free measuring system
- Parametrisable measuring range
- Data sheet number 13535

KEYWORD: FLEXIBILITY

"What do you need from your perfect sensor? And what design, interfaces, outputs or flange does your specific application need? It may be the case that we have not presented your favourites in this brochure but, with roughly 193,000 types, this certainly doesn't mean that it is not part of our range. Send through your detailed request and we will see what we can do. We can even deliver certain rare miniature solutions quickly – worldwide, exactly where you need them. Matter of honour."



Beate Stooß Production Planning & Control



MORE FAVOURITES AT A GLANCE

IW250

Basic principle Interface Housing material Measuring range Protection class Linearity Data sheet number Inductive Analogue Stainless steel 20 to 200 mm Up to IP68 ±0.1%, ±0.25%, ±0.5% 10225

IWE250

Basic principle	Inductive
Interface	SSI
Housing material	Stainless stee
Measuring range	20 to 200 mm
Protection class	Up to IP68
Linearity	±0.25%, ±0.5%
Data sheet number	11217

IWN250

Basic principle Interface Housing material Measuring range Protection class Linearity Data sheet number Inductive CANopen Stainless steel 20 to 200 mm Up to IP68 ±0.25%, ±0.5% 11253

MSK

Basic principle Magnetostrictive Interface EtherCAT Housing material Aluminium or stainless steel 25 to 7,600 mm Measuring range Protection class Up to IP67 Resolution Up to 1 µm 1 to 5 Magnets Data sheet number 11791

MSD

Basic principle
Interface
Housing material
Measuring range
Protection class
Resolution
Magnets
Data sheet number

Magnetostrictive PROFIBUS Aluminium or stainless steel 25 to 7,600 mm IP67 Up to 1 µm 1 to 20 11431

RP13

Basic principlePotHousing materialAluMeasuring range25Protection classIP6LinearityUpData sheet number113

Potentiometric Aluminium 25 to 300 mm IP65 Up to ±0.05% 11392

OVERVIEW OF THE ENTIRE RANGE

- Basic principle: magnetostrictive, inductive or potentiometric
- Measuring range: 1 to 7,600 mm
- CANopen, PROFIBUS, EtherCAT, SSI, analogue, potentiometric
- Linearity ±0.05%, ±0.1%, ±0.25%, ±0.5%
- Degrees of protection IP54 to IP68
- Aluminium or stainless steel housing
- High vibration & shock resistance
- Robust measuring system

- Practically infinite resolution
- Pressure-resistant up to 350 bar
- Simultaneous measurement of 20 positions
- Operating temperature: -40 to +120 °C
- Suitable for ATEX zones 2 & 22
- Long service life & unlimited measuring strokes
- Transmission rate: 20 to 100 Mbits/s
- Optional protective tube
- Various ball joint variants
- Various connector & cable versions



All linear transducers & scanners? You can find them online here.

500 bar ambient pressure? Just ask for a special model.

LINEAR TRANSDUCER AT WORK

e.g. FACTORY AUTOMATION





FOOD/ BEVERAGE PRODUCTION



ROBOTICS



STORAGE/CONVEYOR SYSTEMS





NOCN/S3 – THE VISIONARY

A prime example of an electronic switching cam encoder. Compact, precise and light; parametrisable as a mechanical model thanks to the integrated rotary encoder with relay. Certified industry innovation in 2014.





OUR SPECIFIC HIGHLIGHTS

- Designs from 58 to 79 mm
- CANopen & safety relay
- CANopen, CANopen Safety profile
- Electronically controlled switching contacts
- Play-free multi-turn rotary encoder design
- SIL2 IEC 61508 or PLd ISO 13849
- Various flange & shaft versions
- Aluminium or stainless steel housing
- Resolution up to 32,768 steps/360°
- Measuring range: 16 to 4,096 revolutions
- Accuracy up to ±0.1% over 360°
- Up to 4 switching contacts
- Use in safety chain
- Parametrisable via CANopen
- Protection class IP65 to (optional) IP69K
- Safety relay function check
- Data sheet number 13099





MORE FAVOURITES AT A GLANCE

NOCE79/S3 SIL2/PLd

Design Interface Certification

Housing material Resolution Measuring range Data sheet number

79 mm SSI, 4x safety relay Optional SIL2 IEC 61508, PLd ISO 13849 Aluminium or stainless steel Up to 32,768 steps/360° 16 to 4,096 revolutions 14199

NOCI79/S3 SIL2/PLd

Design Interface Certification Housing material Resolution Measuring range Data sheet number

79 mm Incremental, 4x safety relay Optional SIL2 IEC 61508, PLd ISO 13849 Aluminium or stainless steel 512 pulses/360° 16 to 4,096 revolutions 14200

NOCA

Design

64 to 120 mm Interface Analogue, 2x relay, 2x PhotoMOS Flange & shaft Various versions Housing material Aluminium or stainless steel 16 to 4,096 revolutions Measuring range Data sheet number 12393

NOCE

Design Interface Flange & shaft Housing material Resolution Measuring range Data sheet number

64 mm SSI, 2x relay, 2x PhotoMOS Various versions Aluminium or stainless steel Up to 8,192 steps/360° 16 to 4,096 revolutions 12555

NOCN

Design	58 to 120 mm
Interface	CANopen, 4x relay, 2x PhotoMOS
Flange & shaft	Various versions
Housing material	Aluminium or stainless stee
Resolution	Up to 8,192 steps/360°
Measuring range	16 to 4,096 revolutions
Data sheet number	12523

OVERVIEW OF THE ENTIRE RANGE

- Designs from 58 to 120 mm
- CANopen, CANopen Safety, SSI, analogue, incremental, relay, PhotoMOS
- Electronically controlled switching contacts
- Play-free multi-turn rotary encoder design
- SIL2 IEC 61508 or PLd ISO 13849
- Various flange & shaft versions
- Various connector & cable versions
- Different connector design
- Housing manufactured from different types of aluminium & stainless steel

- Resolution up to 32,768 steps/360°
- Incremental resolution: 512 pulses/360°
- Measuring range: 16 to 4,096 revolutions
- Accuracy up to ±0.1% over 360°
- Up to 6 switching contacts
- High vibration & shock resistance
- Degrees of protection IP65 to IP69K
- Operating temperature –40 to +85 °C
- Safety relay function check
- Adjustable output signal & cams
- Parametrisable



All switching cam encoders? You can find them online here.

Production of small quantities? Tell us what you need.

SWITCHING CAM ENCODER AT WORK

e.g. HEAVY INDUSTRY







STEEL PRODUCTION





ENERTERS

-

SWF – THE ENDURANCE RUNNER

A prime example of a resilient and reliable draw-wire displacement converter. For converting a displacement of up to 30 m to a rotating movement. Either way, the cable and spring can withstand up to 1 million load changes.





OUR SPECIFIC HIGHLIGHTS

- Measuring range: 5 to 30 m
- Cable material manufactured from highly flexible steel braid
- Cable diameter: 1.3 mm
- Aluminium housing
- Plastic spring housing
- Protection class IP65 for the housing
- Protection class IP54 for the cable inlet
- Operating temperature: -20 to +70 °C
- Robust measuring system
- Easy handling & installation
- Wide range of accessories
- Data sheet number 10652

KEYWORD: DURABILITY

"Where are your sensors used? In rough seas, extreme cold or hot engine rooms? You can count on the high resilience of our products. Because even in areas where plastic is the material of choice for accessories, our material has precisely the properties it needs for enduring performance. And exceptional endurance is also guaranteed by our precise manufacturing right up to the final testing. This eliminates unnecessary downtimes in your operation and ensures that you remain a loyal customer. Another important aspect of longevity for us – obviously."



Matthias Kraemer Plant Manager



MORE FAVOURITES AT A GLANCE

SWH

Housing material Protection class

Measuring range Cable material Cable diameter Data sheet number Anodised aluminium Housing IP65 & cable inlet IP54 1 to 3 m Highly flexible steel braid 1.35 mm 10783

SWA

Housing material Protection class Measuring range Cable material Cable diameter Spring material Data sheet number Anodised aluminium IP53 2 m Highly flexible steel braid 0.61 mm Stainless steel 10171

SWL

Housing material Measuring range Cable material Cable diameter Spring housing Data sheet number Anodised aluminium 50 & 60 m Highly flexible steel braid 1.35 or optional 0.81 mm Coated aluminium 11063

SWG

Housing material Protection class Measuring range Cable material Cable diameter Spring housing Data sheet number Anodised aluminium Housing IP65 & cable inlet IP54 15 to 40 m Highly flexible steel braid 1.35 or optional 0.81 mm Plastic 11243

SWF

Housing material Protection class

Measuring range Cable material Cable diameter Spring housing Data sheet number Anodised aluminium Housing IP65 & cable inlet IP54 5 to 30 m Highly flexible steel braid 1.35 or optional 0.81 mm Plastic 10652

SWM

Housing material Protection class Measuring range

Cable material Cable diameter Spring housing Data sheet number Anodised aluminium Housing IP64 & cable inlet IP54 1 to 5 m Highly flexible steel braid 0.55 mm Plastic 11440

OVERVIEW OF THE DIS PLACE MENTCON VERTERS

- Measuring range: 1 to 60 m
- Cable material manufactured from highly flexible stainless steel braid
- Cable diameter from 0.55 to 1.35 mm
- Anodised aluminium housing
- Coated aluminium or plastic spring housing
- Degrees of protection IP54 to IP65
- Operating temperature: -20 to +70 °C
- Robust measuring system
- Easy handling & installation

- Exchangeable rotary encoder
- Compact design
- Cable & spring designed for up to 1 million load changes
- With optional grease chamber
- With optional brush & compressed air attachment
- With optional deflection roller
- With optional rubber bellows
- Optional operating temperature: -30 to +70 °C
- Various connector & cable versions



All draw-wire displacement converters? You can find them online here.

Modified application profile? Take our developer with you.

DRAW-WIRE DISPLACEMENT CONVERTER AT WORK

e.g. MOBILE AUTOMATION





DRIVERLESS TRANSPORT SYSTEMS



MOBILE CRANES







BKA – THE SOLID

A prime example of a hard-wearing accessory. Robust bellows coupling specifically designed for high-resolution rotary encoders with torsion values up to 300 Ncm – rock solid, play-free and torsion-proof.



OUR SPECIFIC HIGHLIGHTS

- Aluminium hub
- Stainless steel bellows
- Operating temperature: -40 to +200 °C
- Max. torque: 300 Ncm
- ±1 mm max. axial displacement
- 2° max. angular offset
- 0.2 mm max. parallel displacement (lateral movement)
- Max. speed: 10,000 revolutions/min.
- Data sheet number 15029





MORE FAVOURITES AT A GLANCE

BEARING BRACKET LB

Shaft load
Operating speed
Operating torque
Moment of inertia
Operating temperature
Protection class
Data sheet number

Axial 100 N, radial 500 N 6,000 rpm Max. 5 Ncm 100 gcm² -40 to +85 °C IP65 10103

BELLOWS COUPLING BKM

Material	Stainless steel
Operating temperature	-40 to +150 °C
Max. torque	50 Ncm
Max. speed	20,000 rpm
Max. parallel displacement	0.25 mm
Max. axial displacement	0.6 mm
Max. angular offset	2°
Bore hole diameter	3 to 9 mm
Data sheet number	11995

STATOR COUPLING ZMS58

Design
Material
Operating temperature
Flange
Optional
Data sheet number

58 mm Plastic -40 to +85 °C Synchro or clamping flange 9 mm height adapter 12939

MEASURING GEAR ZRS

Material	Plastic
Module	5 to 24
Number of teeth	From 8
Operating temperature	–40 to +150 °C
Tensile strength	Approx. 110 N/mm ²
Pressure angle	20°
Shaft adapter	Ø 12 mm flattened to 11 mm
Load cycle	2x 106 at 50 rpm
Data sheet number	11877

CLAMPING COUPLING KK14

Sprocket material	Polyurethane
Clamping hub material	AIMgSiSnBi
Operating temperature	-50 to +80 °C
Max. torque	8 Nm
Max. speed	12,000 rpm
Max. parallel displacement	0.2 mm
Max. axial displacement	1 mm
Max. angular offset	1°
Bore hole diameter	6 to 16 mm
Data sheet number	12301

MULTIFUNCTIONAL DISPLAY PAS

Interface	SSI
Display	12 positions
Supply voltage	24, 110 or 230 VAC
Operating temperature	0 to +50 °C
Protection class	IP40
Data sheet number	11524

OVERVIEW OF THE ENTIRE RANGE

- Multifunctional display & programming units
- Bellows couplings
- Oldham couplings
- Clamping couplings
- Position magnets & mounting material
- Protective housing for harsh applications
- Front flange for rotary encoders
- Insulating flange for rotary encoders, pulse generators & potentiometers
- Mounting brackets for rotary encoders, pulse generators & potentiometers

Reducing bushes for rotary encoders, pulse generators & potentiometers

- Mounting angles for rotary encoders, pulse generators & potentiometers
- Play-compensating measuring gears
- Various cable designs
- Bearing brackets in various designs
- Couplings in ATEX design
- Couplings with groove
- Couplings in a galvanically isolated design



All accessories? You can find them online here.

Can't find what you need? Configurate desired type online.

INTERFACES

0

INDUSTRY-STANDARD DEPENDING ON THE MODEL



Mobile sensor configuration? Request a smart NFC interface.

POSTSCRIPT

"Now you have an idea of the kind of sensor technology that we offer. You can easily and conveniently find the specific make you require with documentation using our practical product filter at twk.de. Alternatively, you can access the specific product category directly using the QR code provided under each individual range in this brochure and make your selection there. Moreover, if you prefer more traditional communication for searching, configuring and ordering – just give us a call. We look forward to hearing from you."



Already tested it? Why not give our product filter a try:

twk.de/en/products











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CLIMATE-NEUTRAL PRODUCTION