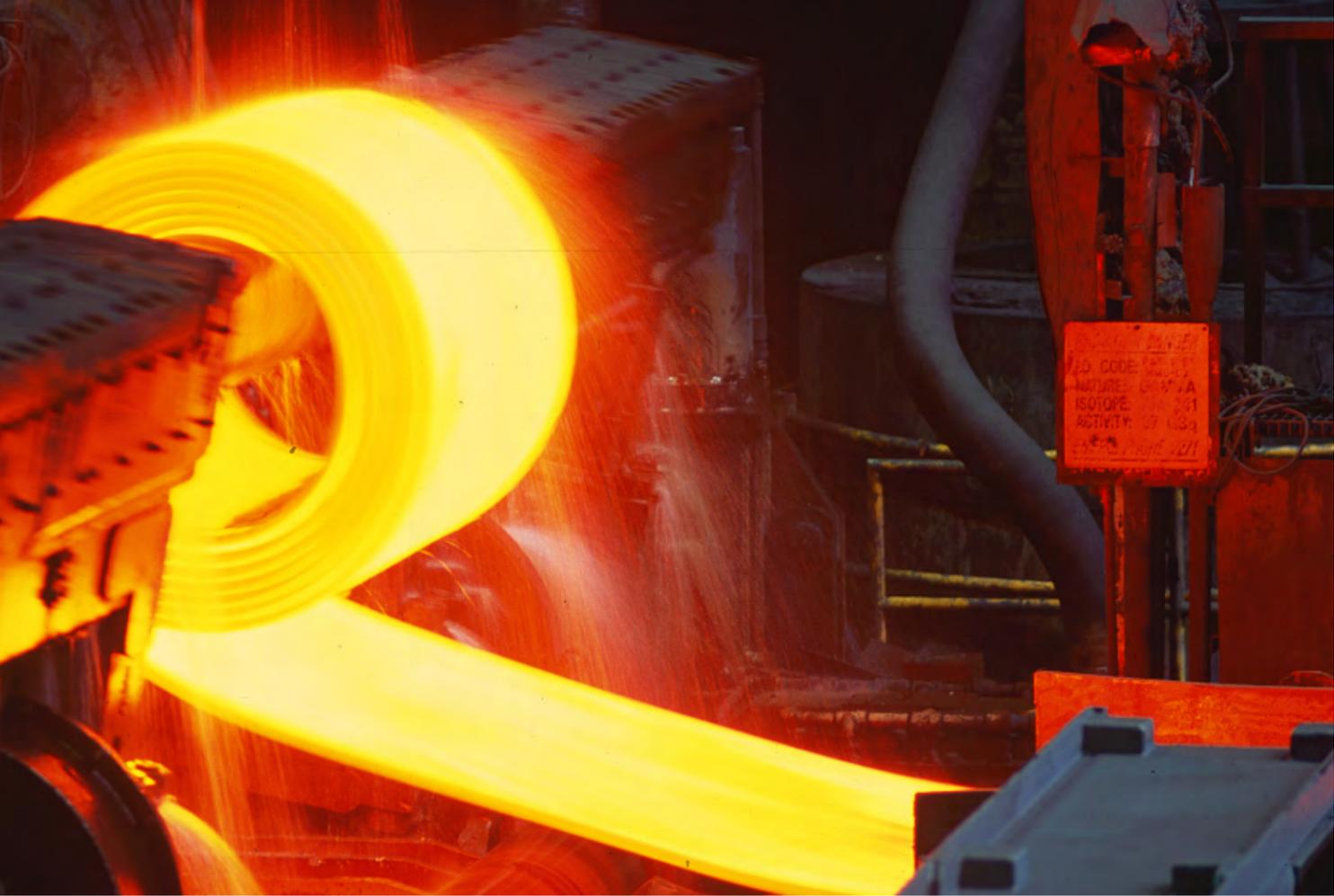


Metallurgical /Coking Industry Sensors

Magnetostrictive sensors/Rotary encoder/Pressure transmitters





QUALIFICATIONS



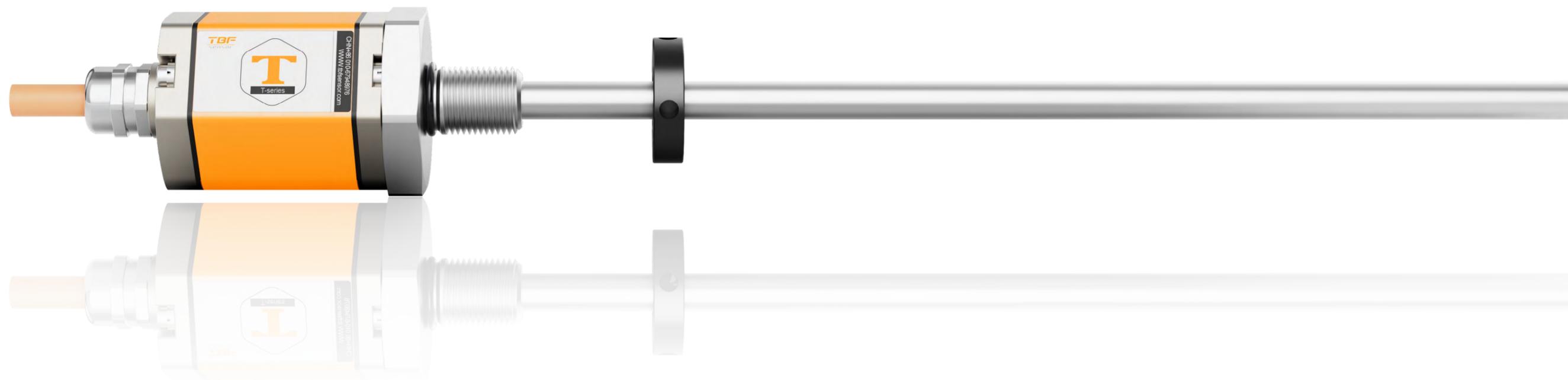
Committed to the research and development of sensors and detection technology

Beijing TBF Electronic Technology Co., Ltd. (located in Beijing Economic and Technological Development Zone) has been committed to the research and development of level sensors and detection technologies for many years. It is a national high-tech enterprise with technology, and an intelligent technology solution provider integrating production, R&D and sales.

The company has four mature technology platforms: magnetostrictive sensor technology platform, rotary encoder technology platform, pressure transmitter technology platform and temperature sensor technology platform. Based on the technology platform and guided by customer needs, the company provides customers with a full range of sensing technologies through professional program design, excellent quality and rapid response ability technical product solutions.

Products are widely used in rubber and plastics, metallurgy, coking, construction machinery, maritime, coal mines, water conservancy, military industry, petroleum and petrochemical, environmental protection, clean energy and other fields.

T-Series III



T Series III

The T-Series III. is an evolution based on the second generation of products, which is innovative while maintaining our usual high quality, and the new generation is more reliable and more powerful.

- + The new generation of sensors has been significantly upgraded in terms of vibration resistance, with excellent vibration and shock resistance, and can ensure the accuracy of data measurement under high shock and vibration operating conditions.
- + High precision: highest resolution 0.1 μ m.
- + The product can be used for a long time up to 120° C.
- + Double anti-interference
- + The rugged metal housing with IP68 protection allows for maximum reliability in harsh environments.
- + The electrical interface is diverse to meet the electrical connection of supporting equipment.

MAGNETOSTRICTIVE SENSOR



Model	T3H
Input	Position/Velocity
Item	Pressure resistant outer tube type, high precision,multiple output signals optional
Measurement range	25 ... 7650mm
Output	Analog / SSI/ Start-Stop / CANopen Profibus-DP / Profinet / EtherCAT
Resolution	Analog: 16 位 D/A Start/Stop:Depending on controller SSI: 0.1μm CANopen: 1μm Profibus-DP:1μm Profinet: 0.5μm EtherCAT: 0.5μm
Protection max.	IP67/IP68(Highest)
Operating pressure	35MPa (continuous) ,70MPa (peak)
Certifications	CE、UL

Model	T3D
Input	Position/Velocity
Item	split type design,adaptable with installation in U-shaped and rather tight space
Measurement range	25 ... 5600mm
Output	Analog / SSI/ Start-Stop / CANopen Profibus-DP / Profinet / EtherCAT
Resolution	Analog: 16 位 D/A Start/Stop:Depending on controller SSI: 0.1μm CANopen: 1μm Profibus-DP:1μm Profinet: 0.5μm EtherCAT: 0.5μm
Protection max.	IP67
Operating pressure	35MPa (continuous) ,70MPa (peak)
Certifications	CE、UL

Model	T3F
Input	Position/Velocity
Item	Built-in flexible outer tube suitable for long stroke length, easy installation and transportation
Measurement range	100 ... 20000mm
Output	Analog / SSI/ Start-Stop / CANopen Profibus-DP / Profinet / EtherCAT
Resolution	Analog: 16 位 D/A Start/Stop:Depending on controller SSI: 0.1μm CANopen: 1μm Profibus-DP:1μm Profinet: 0.5μm EtherCAT: 0.5μm
Protection max.	IP67/IP68(Highest)
Operating pressure	Installed into pressure pipe: 35MPa (continuous) ,70MPa (peak)
Certifications	CE、UL

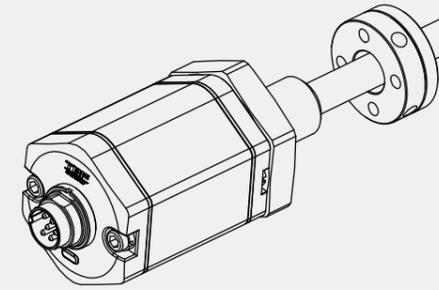
Model	CH
Input	Position/Velocity
Item	Full stainless steel housing, compact,high reliability
Measurement range	25 ... 7650mm
Output	Analog / SSI/ Start-Stop
Resolution	Analog: 16 位 D/A Start/Stop:Depending on controller SSI: 0.1μm
Protection max.	IP68,IP69K
Operating pressure	35MPa (continuous) ,70MPa (peak)
Certifications	CE

T-Series III

TH type

Measurement range 25 ... 7650mm

- + The pressure-resistant outer tube type sensor is designed for high pressure environment applications and is suitable for built-in installation in hydraulic cylinders.
- + The sensor chamber can be removed from the outer tube, which remains in the cylinder, allowing for easy replacement of the chamber without the need for pressure relief.
- + Robust, fully enclosed design with up to IP68 protection.



Output parameter comparison table

Output	Analog	SSI	Start-Stop	CANopen	Profibus-DP	Profinet	EtherCAT
Operating temperature	-40 ... 85°C 105°C (customizable)	-40 ... 85°C 105°C (customizable)	-40 ... 105°C -40 ... 120°C (DPI mode only)	-40 ... 85°C	-40 ... 85°C	-40 ... 85°C	-40 ... 85°C
Resolution	16 bit D/A	0.1µm	Depending on controller	1µm	1µm	0.5µm	0.5µm
Power consumption	<70mA	<90mA	<80mA	<60mA	<90mA	<120mA	<120mA

T3H Technical Parameter

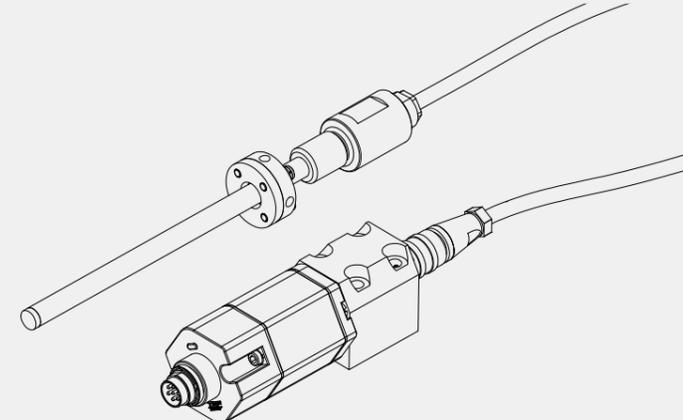
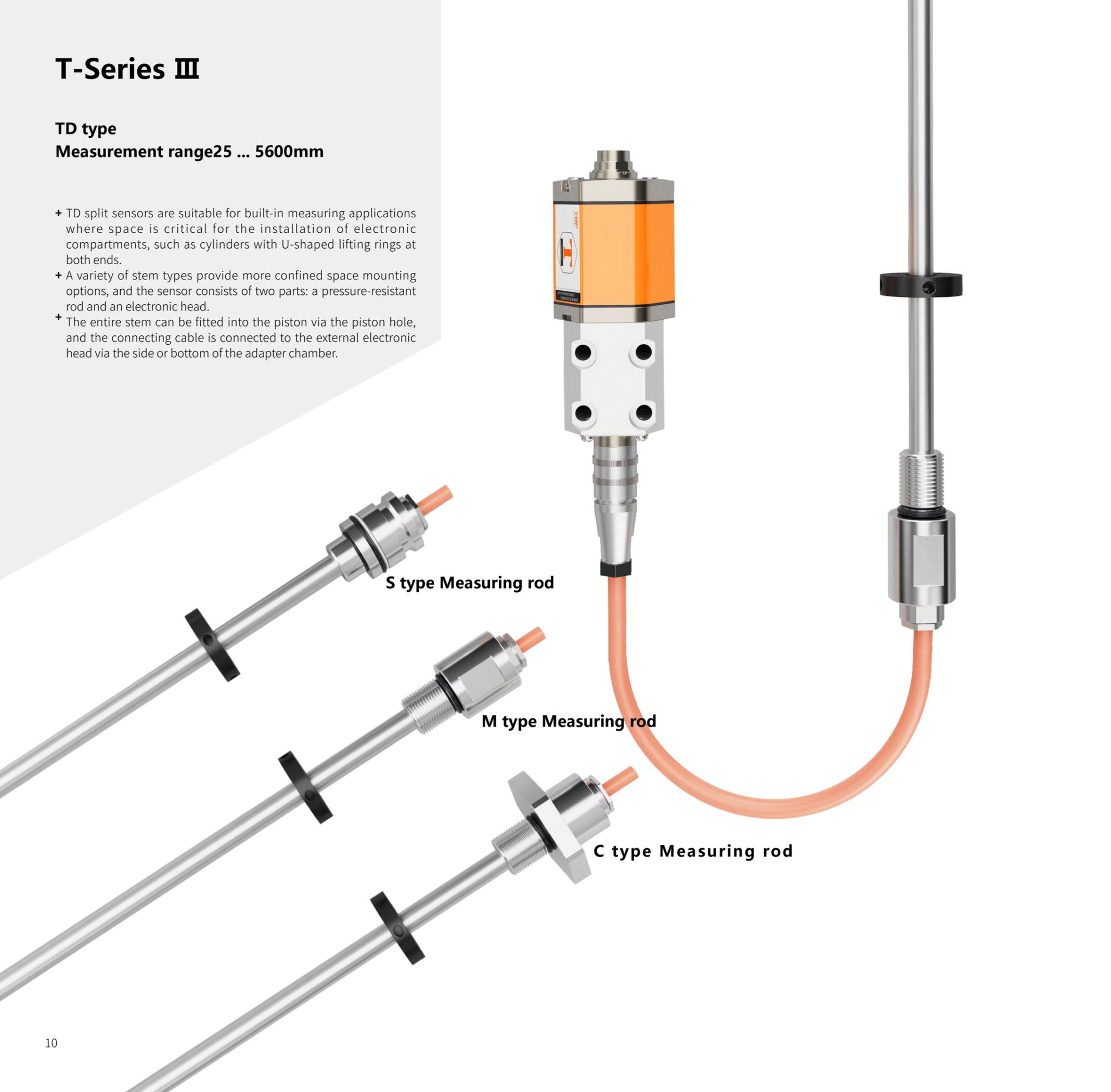
Input	
Measured data	Position/Velocity
Measurement range	25mm ... 7650mm
Output	
Electrical interfaces	Analog, SSI, Start/Stop, CANopen, Profibus-DP, Profinet, EtherCAT
Resolution	
Resolution	Depends on the output
None-Linearity	<±0.01%F.S.
Repeatability	<±0.001%F.S.
Temperature coefficient	<15ppm/°C
Mounting	
Mounting position	Any
Thread	Metric M18x1.5, metric M20x1.5, metric M24x1, 3/4"-16UNF-3A
Design/Material	
Electronics housing	Aluminum alloy/zinc alloy
Measuring rod	Astainless steel 304/316L
Operating pressure ratings	35MPa (continuous), 70MPa (peak)
Electrical connection	
Wiring connection	Connector is fitted/Straight out cable
Operating voltage	9 ... 36VDC
Polarity protection	Up to -36VDC
Overvoltage protection	Up to +36VDC
Dielectric strength	500 VDC (DC ground to machine ground)
Operating conditions	
Magnet velocity	Any
Humidity	90 % relative humidity, no condensation
Protection max.	IP67 (when connector is fitted)/IP68 (straight out cable)
Shock	150 g/11 ms, IEC standard 60068-2-27
Vibration	30 g/10 ... 2000 Hz, IEC standard 60068-2-6 (resonant frequencies excluded)
EMC	Electromagnetic emission according to EN 61000-6-3 Electromagnetic immunity according to EN 61000-6-2

T-Series III

TD type

Measurement range 25 ... 5600mm

- + TD split sensors are suitable for built-in measuring applications where space is critical for the installation of electronic compartments, such as cylinders with U-shaped lifting rings at both ends.
- + A variety of stem types provide more confined space mounting options, and the sensor consists of two parts: a pressure-resistant rod and an electronic head.
- + The entire stem can be fitted into the piston via the piston hole, and the connecting cable is connected to the external electronic head via the side or bottom of the adapter chamber.



T3D Technical Parameter

Input	
Measured data	Position/Velocity
Measurement range	25mm ... 5600mm
Output	
Electrical interfaces	Analog,SSI,Start/Stop,CANopen,Profibus-DP,Profinet,EtherCAT
Resolution	
Resolution	Depends on the output
None-Linearity	<±0.01%F.S.
Repeatability	<±0.001%F.S.
Temperature coefficient	<15ppm/°C
Mounting	
Mounting position	Any
Pressure resistance outer tube	Thread:Metric M18x1.5, metric M20x1.5, Embedded installation(S type Measuring rod)
Design/Material	
Electronics housing	Aluminum alloy/zinc alloy
Measuring rod	Atainless steel 304/316L
Operating pressure ratings	35MPa (continuous) ,70MPa (peak)
Electrical connection	
Wiring connection	Connector is fitted/Straight out cable
Operating voltage	9 ... 36VDC
Polarity protection	Up to -36VDC
Overvoltage protection	Up to +36VDC
Dielectric strengthn	500 VDC (DC ground to machine ground)
Operating conditions	
Magnet velocity	Any
Humidity	90 % relative humidity, no condensation
Protection max.	IP67
Shock	100 g/11 ms,IEC standard 60068-2-27
Vibration	10 g/10 ... 2000 Hz,IEC standard 60068-2-6 (resonant frequencies excluded)
EMC	Electromagnetic emission according to EN 61000-6-3 Electromagnetic immunity according to EN 61000-6-2

For more information, please refer to page 8

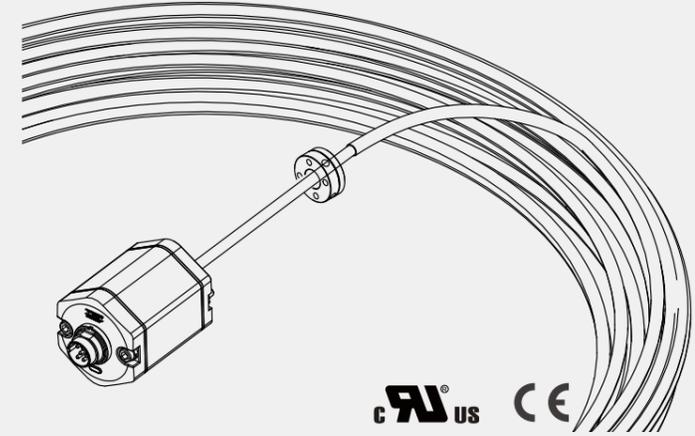
T-Series III

TF type

Measurement range 100 ... 20000mm

- + The flexible outer tube sensor is suitable for use in environments with long strokes and limited space, and the product is easy to install and transport.
- + Long measuring range with a maximum travel of 20 meters.
- + With a pressure-resistant outer tube, it is used inside the hydraulic cylinder and the sensor can be replaced without depressurization.

20 M



T3F Technical Parameter

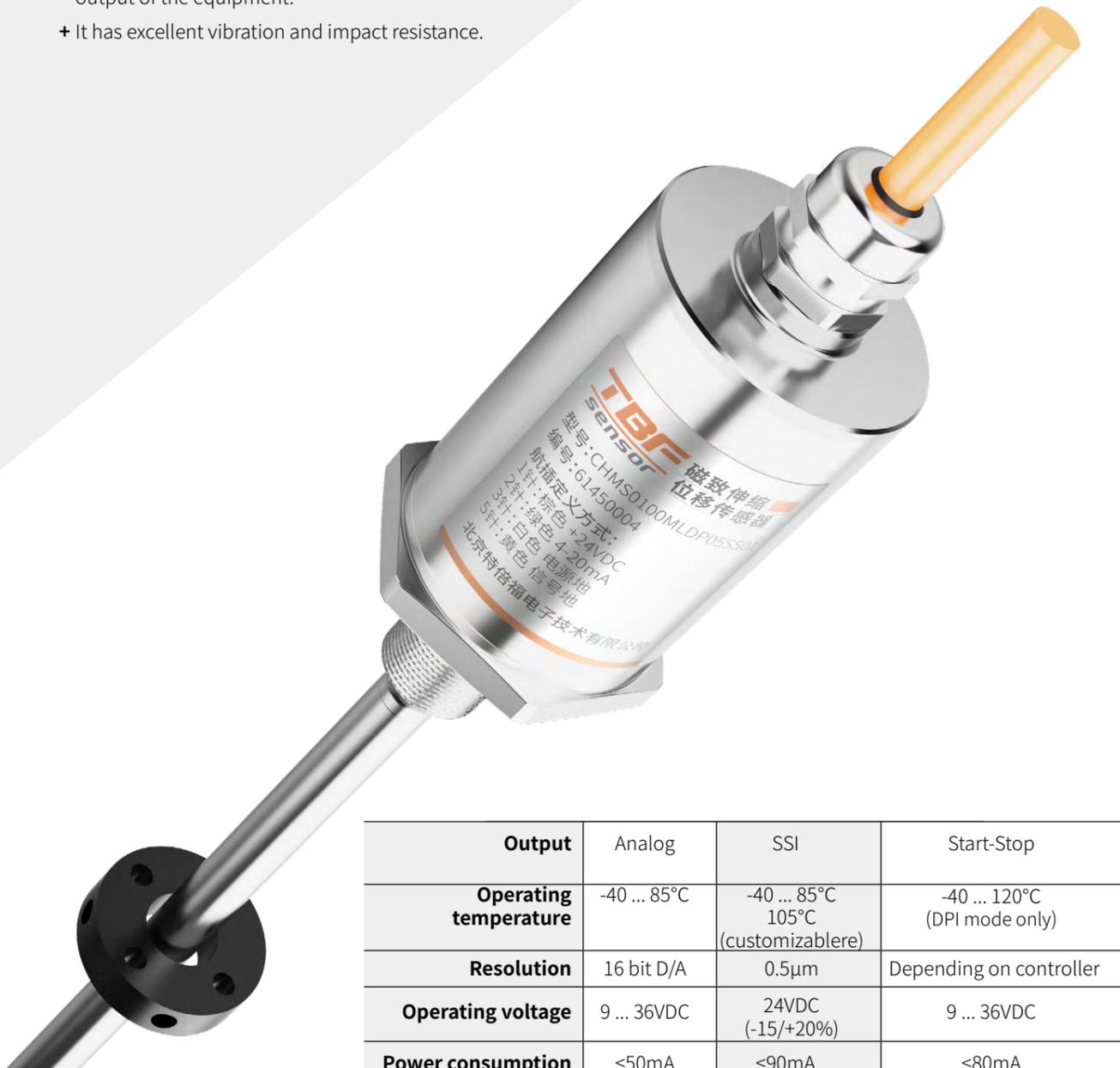
Input	
Measured data	Position/Velocity
Measurement range	100mm ... 20000mm
Output	
Electrical interfaces	Analog,SSI,Start/Stop,CANopen,Profibus-DP,Profinet,EtherCAT
Resolution	
Resolution	Depends on the output
None-Linearity	<±0.01%F.S.
Repeatability	<±0.001%F.S.
Temperature coefficient	<30ppm/°C
Mounting	
Mounting position	Any
Pressure resistance outer tube	Thread metric M18×1.5, 3/4"-16UNF-3A etc.
Design/Material	
Electronics housing	Aluminum alloy/zinc alloy
Measuring rod	Stainless soft pipe (Teflon skin)
Operating pressure ratings	Installed into pressure pipe: 35MPa (continuous) ,70MPa (peak)
Electrical connection	
Wiring connection	Connector is fitted/Straight out cable
Operating voltage	9 ... 36VDC
Polarity protection	Up to -36VDC
Overvoltage protection	Up to +36VDC
Dielectric strength	500 VDC (DC ground to machine ground)
Operating conditions	
Magnet velocity	Any
Humidity	90 % relative humidity, no condensation
Protection max.	Installed into pressure pipe: IP67/IP68
Shock	100 g/11 ms,IEC standard 60068-2-27
Vibration	5 g/10 ... 2000 Hz,IEC standard 60068-2-6 (resonant frequencies excluded)
EMC	Electromagnetic emission according to EN 61000-6-3 Electromagnetic immunity according to EN 61000-6-2

For more information, please refer to page 8

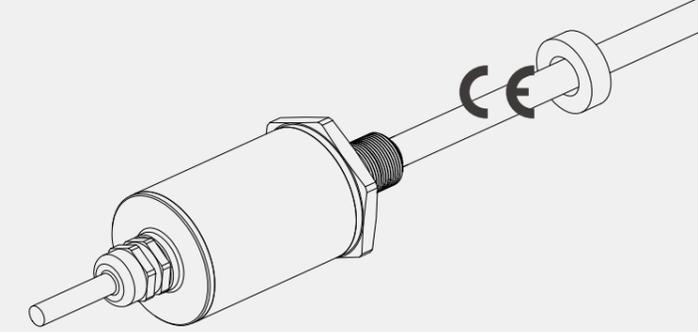
C-Series

CH type Measurement range 50 ... 4500mm

- + The pressure-resistant outer tube type sensor is used in high-pressure environments.
- + The material of the whole machine is made of stainless steel, which has excellent corrosion resistance.
- + Straight-line measurement: Absolute output, no need to reset to zero.
- + The equipment has a double shielding structure with anti-interference function to ensure the stability of the signal output of the equipment.
- + It has excellent vibration and impact resistance.



Output	Analog	SSI	Start-Stop
Operating temperature	-40 ... 85°C	-40 ... 85°C 105°C (customizable)	-40 ... 120°C (DPI mode only)
Resolution	16 bit D/A	0.5µm	Depending on controller
Operating voltage	9 ... 36VDC	24VDC (-15/+20%)	9 ... 36VDC
Power consumption	<50mA	<90mA	<80mA

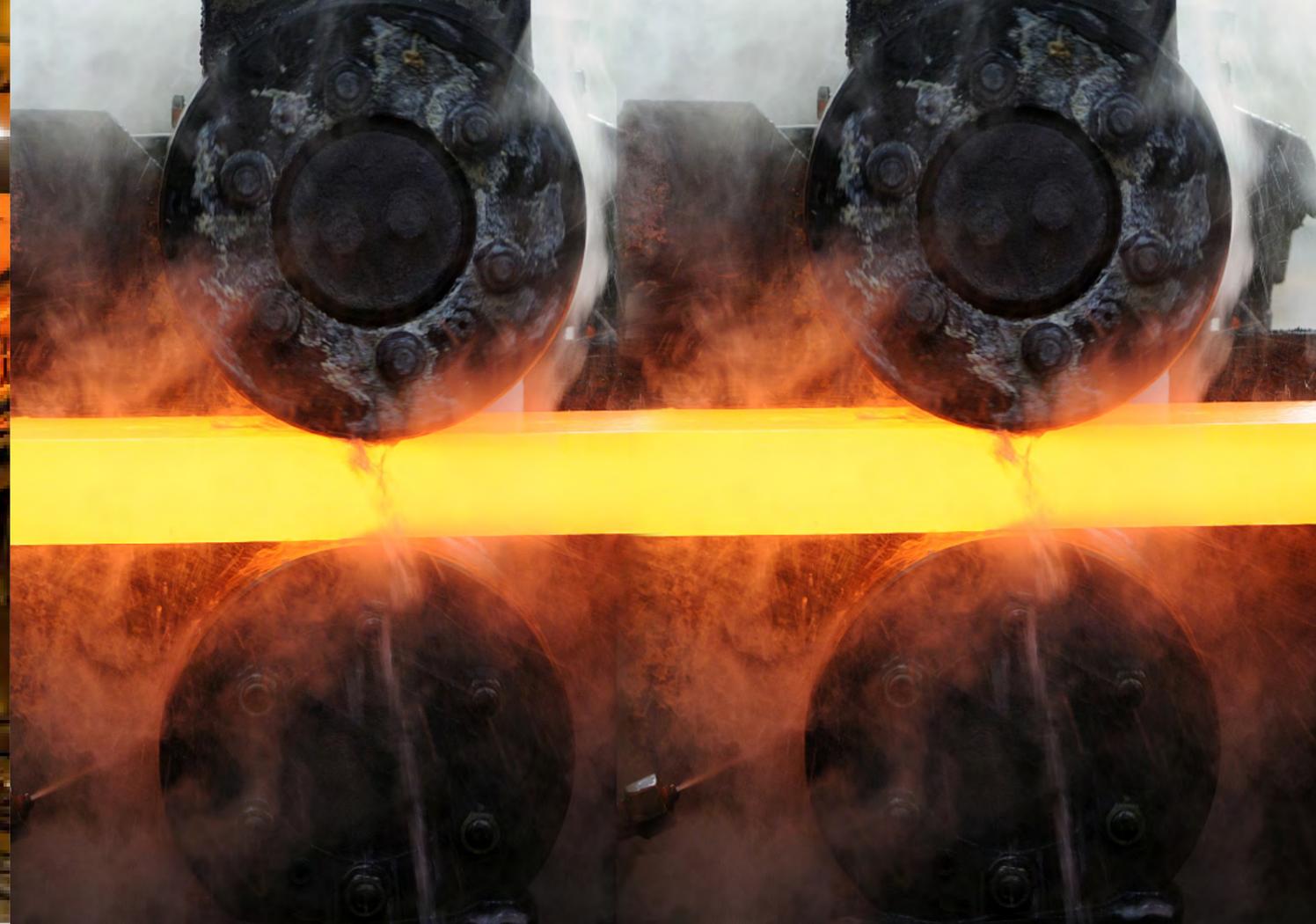
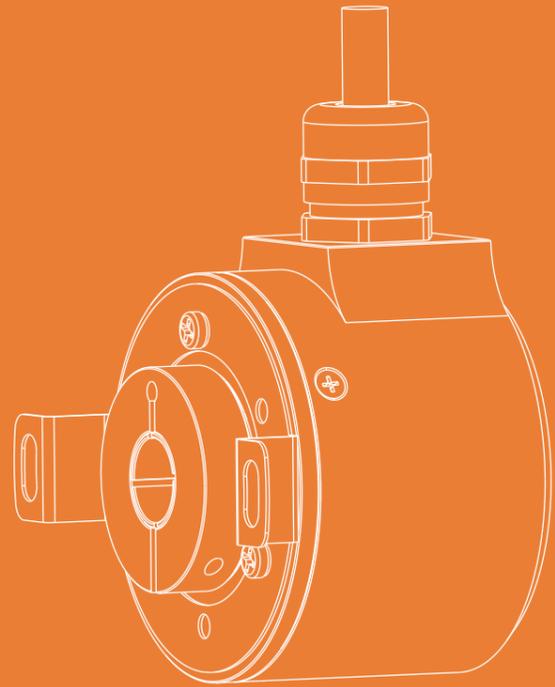


CH Technical Parameter

Output: Analog, SSI, Start-Stop

Input	
Measured data	Position
Measurement range	50mm ... 4500mm
Resolution	
Resolution	Depends on the output
None-Linearity	<±0.02%F.S.
Repeatability	<±0.002%F.S.
Temperature coefficient	<30ppm/°C
Mounting	
Mounting position	Any
Thread	Metric M18x1.5, metric M20x1.5, metric M24x1, 3/4"-16UNF-3A
Design/Material	
Electronics housing	Stainless steel 304
Measuring rod	Stainless steel 304/316L
Operating pressure ratings	35MPa (continuous), 70MPa (peak)
Electrical connection	
Wiring connection	Connector is fitted/Straight out cable
Polarity protection	Up to -36VDC
Overvoltage protection	Up to +36VDC
Dielectric strength	500 VDC (DC ground to machine ground)
Operating conditions	
Magnet velocity	Any
Humidity	90 % relative humidity, no condensation
Protection max.	IP67/IP68, IP69K
Shock	100 g/11 ms, IEC standard 60068-2-27
Vibration	15 g/10 ... 2000 Hz, IEC standard 60068-2-6 (resonant frequencies excluded)
EMC	Electromagnetic emission according to EN 61000-6-3 Electromagnetic immunity according to EN 61000-6-2

Rotary encoder series



Rotary encoders - metallurgical and coking industry applications

In the metallurgical and coking industries, the products are used for a long time in harsh environments with high dust, high humidity, extreme temperature and mechanical stress. Encoders are mainly used in the metallurgical industry for the speed measurement and angle measurement of rolls and motors, to control the position and speed of the crane, and to control the length of rolling and cutting in the rolling mill. In the coking industry, the products are mainly used in the driving components and equipment of coal loading trucks, coke pushing cars, coke blocking cars, and coke quenching cars, and the sensors monitor the speed and angle of each drive motor, so that the equipment can be accurately positioned and ensure the normal operation and safety of the equipment.

Rotary encoder series



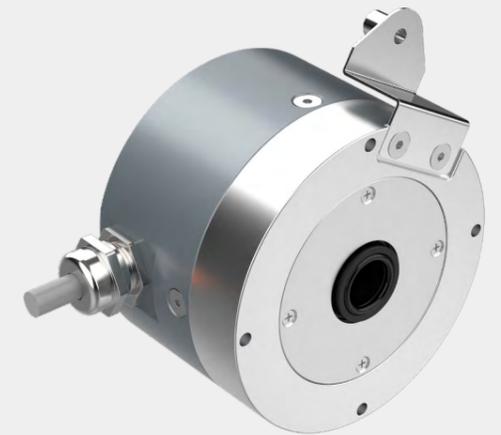
Magnetoelectric principle



Magnetoelectric principle



Optoelectronic principle



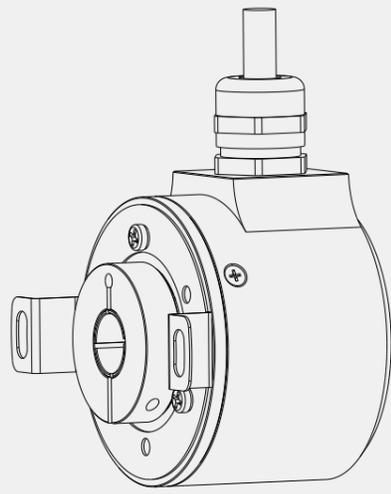
Optoelectronic principle

Model	BNBA58
Product diameter	58mm
Item	Absolute value+Incremental
Output	CANopen、CANopen+Incremental SSI、SSI+Incremental
Precision	Repeatability $\leq 0.1^\circ$
Resolution	Singleturn:8 ... 16bit Multiturn: ≤ 24 bit Total resolution: ≤ 32 bit Incremental: 512PPR、1024PPR、 2048PPR、4096PPR(Customizable)
Protection max.	IP67

Model	BNBA60
Product diameter	60mm
Item	Absolute value
Output	Profinet
Precision	Repeatability $\leq 0.1^\circ$
Resolution	Singleturn:12 ... 16bit Multiturn: ≤ 20 bit Total resolution: ≤ 32 bit
Protection max.	IP67

Model	BNTI58
Product diameter	58mm
Item	Incremental
Output	HTL、RS422、TTL
Resolution	5000PPR
Output channel	A A-B B- Z Z-
Protection max.	Housing side IP65 Shaft side IP54

Model	BNTI100
Product diameter	99.5mm
Item	Incremental
Output	HTL、RS422、TTL
Resolution	1024PPR
Output channel	A A-B B- Z Z-
Protection max.	Housing side IP67 Shaft side IP66



BNBA58 Technical Parameter

Dimension	Φ58mm
Output	SSI,SSI+Incremental,CANopen CANopen+Incremental Output channel : HTL、RS422、TTL
Output channel	A A- B B-
Repeatability	≤ 0.1°
Singleturn	8 ... 16bit
Multiturn	≤ 24bit
Total resolution	≤ 32bit
Pulse rate	512PPR、1024PPR、2048PPR、 4096PPR(Customizable)
Axis type	Solid shaft、Blind hole shaft
Solid shaft diameter	10mm
Operating speed	6000r/min
Operating voltage	10 ... 30VDC
Power consumption	≤ 70mA(24VDC)
Operating temperature	-40°C ... +65°C
Protection max.	IP67
Shock	100g,6ms 【IEC 60068-2-27】
Vibration	20g,10HZ-2000HZ 【IEC 60068-2-6】



BNBA58-B,Blind hole shaft
CANopen、CANopen+Incremental



BNBA58-S,Solid shaft
CANopen、CANopen+Incremental



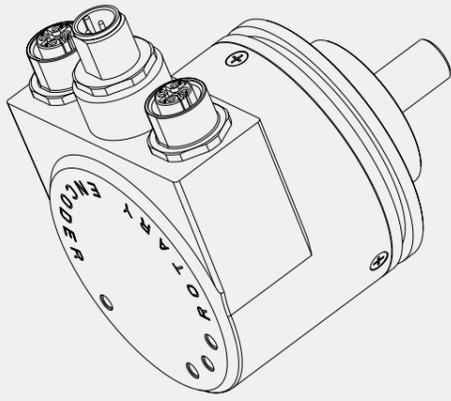
BNBA58-B,Blind hole shaft
SSI、SSI+Incremental



BNBA58-S,Solid shaft
SSI、SSI+Incremental

BNBA58

- + High resistance to vibration and shock
- + Multiturn Absolute + Incremental Signal
- + Standard signal output, maintenance-free

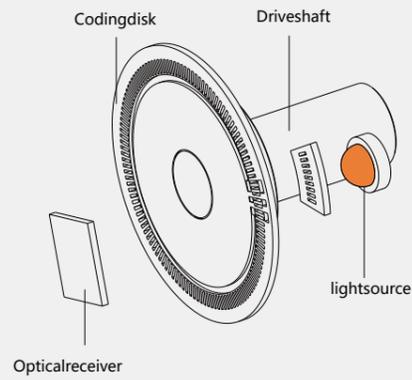


BNBA60 Technical Parameter

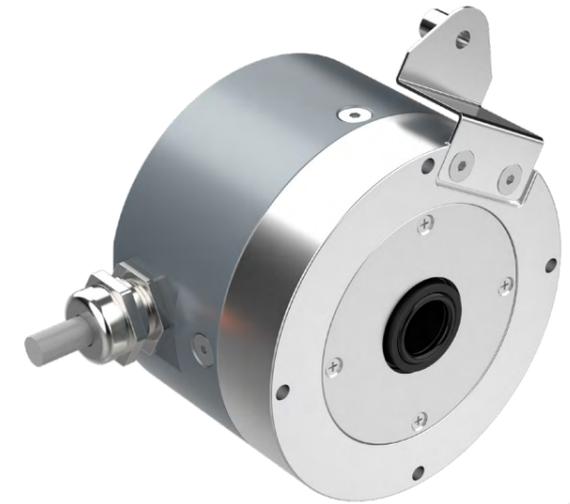
Dimension	Φ60mm
Output	Profinet
Data protocol	Encoder Profile4.2
Transmission	Max. 100Mbit/s
Repeatability	≤ 0.1°
Singleturn	12 ... 16bit
Multiturn	≤ 20bit
Total resolution	≤ 32bit
Axis type	Solid shaft
Solid shaft diameter	10mm
Operating speed	6000r/min
Operating voltage	10 ... 30VDC
Power consumption	≤ 120mA(24VDC)
Operating temperature	-40°C ... +65°C
Protection max.	IP67
Shock	100g,6ms 【IEC 60068-2-27】
Vibration	20g,10HZ-2000HZ 【IEC 60068-2-6】



- + Multiturn Encoders / PROFINET IOs
- + Precise magnetic induction technology
- + Resolution up to 32-bit
- + Measurement accuracy up to ±0.1°
- + High degree of protection: up to IP67
- + Superior resistance to shock and vibration
- + LED status display



- + Resistant to harsh environments, high reliability and long life
- + High precision, high resolution, high stability
- + Incremental rotary encoder based on optoelectronic principle



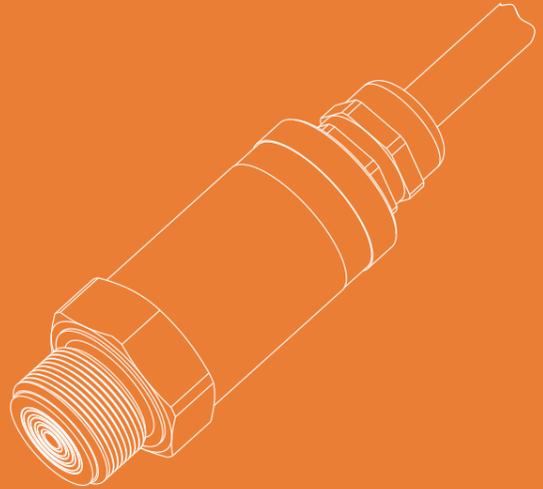
BNTI58 Technical Parameter

Dimension	Φ58mm
Output	HTL、RS422、TTL
Output channel	A A- B B- Z Z-
Resolution	5000PPR
Axis type	Blind hole shaft
Solid shaft diameter	12mm
Operating speed	6000r/min
Operating voltage	10 ... 30VDC
Power consumption	≤ 80mA(24VDC)
Operating temperature	-20°C ... +85°C
Protection max.	Housing side IP65 Shaft side IP54
Shock	100g,6ms 【IEC 60068-2-27】
Vibration	20g,10HZ-2000HZ 【IEC 60068-2-6】

BNTI100 Technical Parameter

Dimension	Φ99.5mm
Principle	Optoelectronic principle
Output	HTL、RS422、TTL
Output channel	A A- B B- Z Z-
Resolution	1024PPR
Axis type	Blind hole shaft
Solid shaft diameter	16mm
Operating speed	6000r/min
Operating voltage	9 ... 30VDC
Power consumption	≤ 80mA(24VDC)
Operating temperature	-20°C ... +85°C
Protection max.	Housing side IP67 Shaft side IP66
Shock	400g,3.5ms 【IEC 60068-2-27】
Vibration	20g,55HZ-2000HZ 【IEC 60068-2-6】

Pressure transmitters



Pressure transmitters

Pressure measurement during rolling: When rolling sheet metal or wire, pressure sensors can be used to monitor hydraulic oil pressure and help adjust the parameters of the rolling equipment to achieve the desired product shape and Dimension.

Gas pressure monitoring: In the metallurgical process, the pressure of various gases (such as oxygen, nitrogen, etc.) needs to be monitored, and pressure sensors can provide accurate gas pressure measurement to ensure the normal operation of the gas supply system.

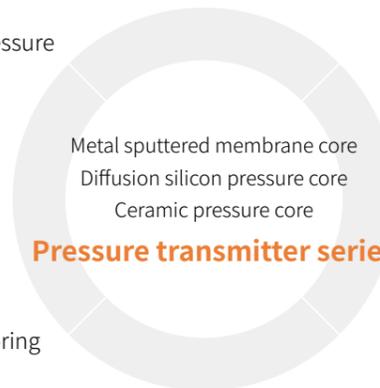
Hydraulic system monitoring: Many devices rely on hydraulic systems to drive, and sensors can be used to monitor the pressure of hydraulic systems to ensure proper operation and safety of equipment.



Semi-fluid, liquid, gas pressure monitoring



Fluid and gas pressure monitoring



Wireless pressure monitoring



Multi-interface pressure monitoring (liquids, gases)



Pressure transmitters



Model	PE
Measurement range	-1 ... 400Bar
Pressure type	Gauge pressure, absolute pressure
Output	4 ... 20mA, 1 ... 5V, 0 ... 5V, 0 ... 10V, RS485
Measurement accuracy	±0.5%F.S.
Long term stability	±0.3%F.S./year
Mounting	G1/2"、M20*1.5
Protection max.	IP67(Highest)

Model	PJ
Measurement range	5 ... 600Bar
Pressure type	Gauge pressure, absolute pressure
Output	4 ... 20mA, 0 ... 10V
Measurement accuracy	±0.5%F.S.
Long term stability	±0.3%F.S./year
Mounting	G1/2"、G1/4"、M20*1.5
Protection max.	IP67(Highest)

Model	PC
Measurement range	-1 ... 600Bar
Pressure type	Gauge pressure, absolute pressure, sealed gauge pressure
Output	4 ... 20mA, 1 ... 5V, 0 ... 5V, 0 ... 10V
Measurement accuracy	±0.5%F.S.
Long term stability	±0.3%F.S./year
Mounting	G1/2"、G1/4"、M20*1.5
Protection max.	IP67(Highest)

Model	GPD70
Measurement range	0 ... 700Bar
Pressure type	Gauge pressure, absolute pressure, sealed gauge pressure
Output	CAN
Measurement accuracy	±0.5%F.S.
Long term stability	±0.3%F.S./year
Mounting	G1/4"(outer wire)、G1/4"(inner wire)、M14*1.5(24° conical)、M14*1.5、M16*1.5
Protection max.	IP67(Highest)

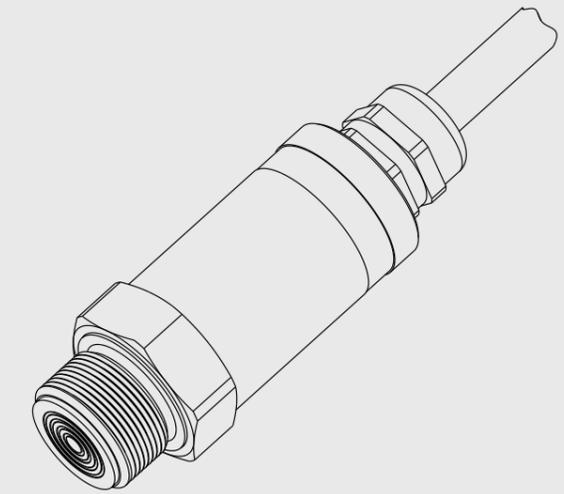
Pressure transmitters

The large diaphragm design is mainly used for pressure detection of viscous fluids such as paste and semi-fluid, with high sensitivity.



PE type

- + Stable performance, high temperature resistance, strong impact resistance, easy to use
- + It has short-circuit protection and reverse polarity protection
- + It can measure gauge pressure and absolute pressure
- + The short Dimension makes it suitable for applications where installation space is limited

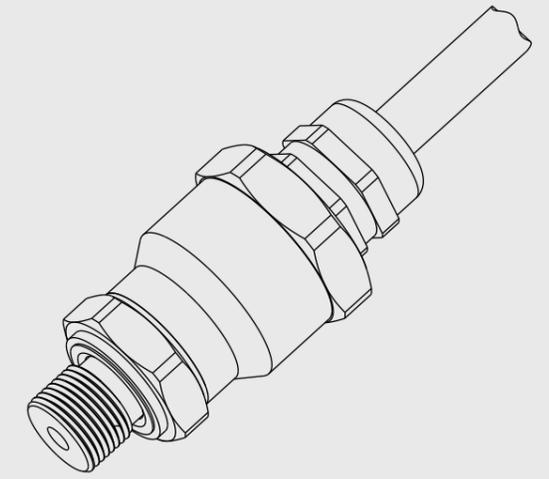
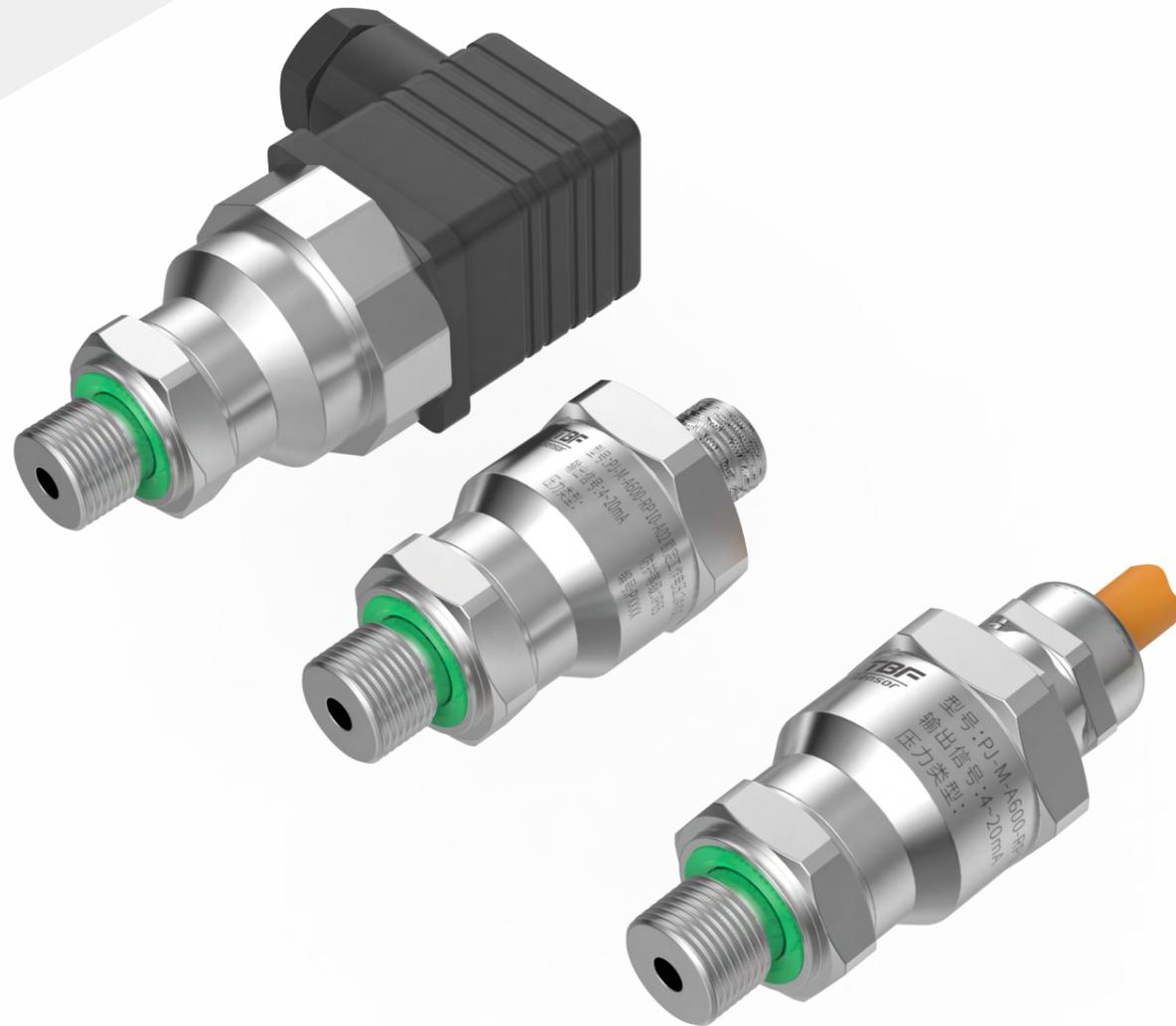


Technical Parameter

Model	PE
Pressure core	Diffusion silicon-flat film
Measurement range	-1 ... 400Bar
Operating voltage	12-32VDC
Output	4mA ... 20mA; 1 ... 5V; 0 ... 5V; 0 ... 10V; RS485
Pressure type	Gauge pressure, absolute pressure
Overload pressure	1.5 times full-scale pressure
Measurement accuracy	±0.5%F.S.
Zero point temperature coefficient	±0.1% F.S./°C (≤ 100kPa); ±0.05% F.S./°C (>100kPa)
Full degree temperature coefficient	±0.1% F.S./°C (≤ 100kPa); ±0.05% F.S./°C (>100kPa)
Long term stability	±0.3%F.S./year
Compensation temperature	0°C ... 50°C or -10 ... 70°C
Operating temperature	-30°C ... 80°C
Storage temperature	-40°C ... 120°C
Mounting	G1/2", M20*1.5
Electrical connection	Straight cable (≥ 40Bar), M12 connector(4/5 pin), Rectangular connector
Protection max.	IP67(Highest)

Pressure transmitters

The international advanced metal sputtering membrane pressure core is selected, the equipment has high long-term stability, small temperature drift, wide temperature range, high precision, and high pressure impact.

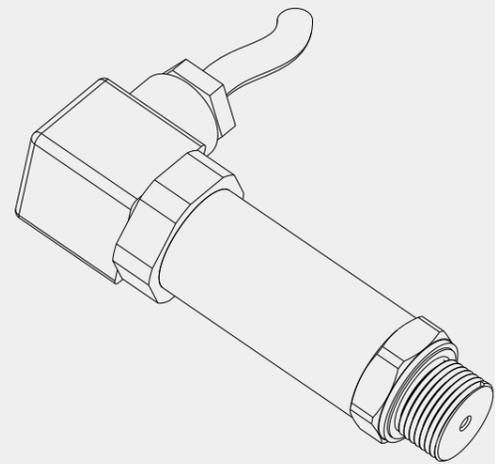


Technical Parameter

Model	PJ
Pressure core	Metal sputtering film
Measurement range	5 ... 600Bar
Operating voltage	12-32VDC
Output	4mA ... 20mA; 0 ... 10V
Pressure type	Gauge pressure, absolute pressure
Overload pressure	2 times full-scale pressure
Destruction pressure	10...20 times full-scale pressure
Measurement accuracy	±0.5%F.S.
Zero point temperature coefficient	±0.01% F.S./°C
Full degree temperature coefficient	±0.03% F.S./°C
Long term stability	±0.3%F.S./year
High reliability	Resistant to 10 million shocks and can withstand continuous pressure
Operating temperature	-30°C ... 80°C
Storage temperature	-40°C ... 120°C
Mounting	G1/2"、G1/4"、M20*1.5
Electrical connection	Straight cable、M12 connector(4/5 pin)、Rectangular connector
Protection max.	IP67(Highest)

PJ type

- + Stable performance, high temperature resistance, strong impact resistance, easy to use
- + It has short-circuit protection and reverse polarity protection
- + It can measure gauge pressure and absolute pressure
- + The short Dimension makes it suitable for applications where installation space is limited



Pressure transmitters

The international advanced high-stability and high-precision silicon pressure chip is selected, and the Compensation temperature, stress optimization design, diaphragm welding and other processes are used to produce, and the equipment has excellent stability and excellent performance. It is mainly used for equipment fluid and gas pressure detection.



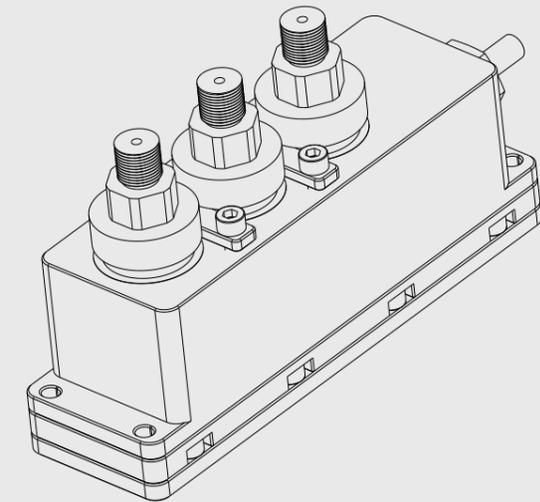
Technical Parameter

Model	PC
Pressure core	Diffusion silicon
Measurement range	-1 ... 600Bar
Operating voltage	12-32VDC
Output	4mA ... 20mA; 1 ... 5V; 0 ... 5V; 0 ... 10V
Pressure type	Gauge pressure, absolute pressure, sealed gauge pressure
Overload pressure	150%F.S
Measurement accuracy	±0.5%F.S.
Zero point temperature coefficient	±0.1% F.S./°C (≤ 100kPa); ±0.05% F.S./°C (>100kPa)
Full degree temperature coefficient	±0.1% F.S./°C (≤ 100kPa); ±0.05% F.S./°C (>100kPa)
Long term stability	±0.3%F.S./year
Compensation temperature	0°C ... 50°C or -10 ... 70°C
Operating temperature	-30°C ... 80°C
Storage temperature	-40°C ... 120°C
Mounting	G1/2", G1/4", M20*1.5
Electrical connection	Straight cable, M12 connector(4/5 pin), Rectangular connector
Protection max.	IP67(Highest)

GPD70 Pressure transmitters



- + Simplified wiring, multi-point detection, bus output
- + Each pressure can be customized with different ranges
- + Gauge, absolute, and sealed gauge pressure can be measured



Technical Parameter

Model	GPD70
Pressure core	Diffusion silicon
Measurement range	0 ... 700Bar
Operating voltage	24 VDC
Output	CAN
Pressure type	Gauge pressure, absolute pressure, sealed gauge pressure
Overload pressure	150%F.S. or 1100Bar
Measurement accuracy	±0.5%F.S.
Zero point temperature coefficient	±0.1% F.S./°C (≤ 100kPa); ±0.05% F.S./°C (>100kPa)
Full degree temperature coefficient	±0.1% F.S./°C (≤ 100kPa); ±0.05% F.S./°C (>100kPa)
Long term stability	±0.3%F.S./year
Compensation temperature	-10°C ... 70°C
Operating temperature	-30°C ... 80°C
Storage temperature	-40°C ... 120°C
Electrical connection	Straight out cable
Mounting	G1/4"(outer wire), G1/4"(inner wire), M14*1.5(24° conical) etc.
Material	stainless steel 304
Protection max.	IP67(Highest)



Document Number:
Metallurgical /Coking (V2.0)

Building 6, Dazu Enterprise Bay, 8th yard of
Liangshuihe 2nd street, BDA Beijing P.R.China

Tel: +86 10-67948976 67948916
Fax: +86 10-67948979
Technical support: +86 (0)13370126657 Mailbox:
sale@tbfsensor.com

Beijing Tebeifu Electronic Technology Co., Ltd.

Moosacher Str.82a,80809 Munich ,Germany

Tel: +86 10-67948976 67948916
Fax: +86 10-67948979
Technical support: 0049 1783135698
Mailbox: sale@tbfsensor.com

TBF Electronic Technology GmbH