

Whether as a supplier to one of the world's largest manufacturers of industrial machinery or as a competent partner on site: The years of experience and expert know-how at STS will support you in choosing the optimum sensor.



Machine & Plant Construction



Shipbuilding & Marine



Oil & Subsea



Mining



Test Facility & Prototypes



Gas



Aviation



Analysis & Medicine

Information / Legend	TD	TM TM/Ex	ATM ATM/Ex	ATM.ECO ATM.ECO/Ex	ATM.1ST ATM.1ST/Ex	ATM.1ST/T	TS 100	ATM/F ATM/F/Ex	PTM 2-wire PTM/Ex 2-wire	PTM/RS485
Measuring Range	100 mbar ... 1000 bar (50 mbar on request)	100 mbar ... 1000 bar (50 mbar on request)	50 mbar ... 1000 bar (50 mbar on request)	100 mbar ... 1000 bar (50 mbar on request)	100 mbar ... 1000 bar (50 mbar on request)	100 mbar ... 25 bar (50 mbar on request)	-	100 mbar ... 25 bar	100 mbar ... 1000 bar	100 mbar ... 1000 bar
Pressure Type	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge	-	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge	Gauge Absolute (vacuum) Sealed gauge
Temperature Measuring Range	-	-	-	-	-	-25 ... 100 °C -50 ... 150 °C (other on request)	0 ... 70 °C -50 ... 150 °C (other on request)	-	-	-10 ... 50 °C -25 ... 85 °C
Accuracy	≤ ± 0.50% FS ≤ ± 0.25% FS ≤ ± 0.10% FS	≤ ± 0.50% FS ≤ ± 0.25% FS ≤ ± 0.10% FS	≤ ± 0.50% FS ≤ ± 0.25% FS ≤ ± 0.10% FS	≤ ± 0.25% FS	≤ ± 0.25% FS ≤ ± 0.10% FS ≤ ± 0.05% FS	≤ ± 0.25% FS ≤ ± 0.10% FS	-	≤ ± 0.50% FS ≤ ± 0.25% FS ≤ ± 0.10% FS	≤ ± 0.25% FS ≤ ± 0.10% FS	≤ ± 0.25% FS ≤ ± 0.10% FS
Compensated Temperature Ranges	0 ... 70 °C -25 ... 85 °C -25 ... 100 °C	0 ... 70 °C -25 ... 85 °C -25 ... 100 °C	0 ... 70 °C -25 ... 100 °C	0 ... 70 °C -25 ... 100 °C	0 ... 70 °C -25 ... 100 °C -40 ... 125 °C	0 ... 70 °C -25 ... 100 °C -40 ... 125 °C	0 ... 80 °C -25 ... 100 °C -25 ... 150 °C	0 ... 70 °C -25 ... 85 °C	0 ... 70 °C -25 ... 85 °C -25 ... 100 °C	0 ... 70 °C -10 ... 50 °C -25 ... 85 °C
Temperature Range	-40 ... 150 °C	-40 ... 150 °C	-40 ... 150 °C	-40 ... 150 °C	-40 ... 150 °C	-50 ... 150 °C	-50 ... 150 °C	-25 ... 100 °C	-40 ... 150 °C	-40 ... 150 °C
Output Signal	mV, differs for pressure range and supply	mV, differs for pressure range and supply	4 ... 20 mA 0 ... 20 mA 0 ... 5 VDC 0 ... 10 VDC	4 ... 20 mA 0 ... 5 VDC 0 ... 10 VDC	4 ... 20 mA 0 ... 5 VDC 0 ... 10 VDC Optional surge protection	4 ... 20 mA	0 ... 5 VDC 0 ... 10 VDC 0 ... 20 mA 4 ... 20 mA	4 ... 20 mA 0 ... 5 VDC 0 ... 10 VDC	4 ... 20 mA optional surge protection	RS485 und 4 ... 20 mA optional surge protection
Supply	< 3V / 1.5 mA	5 ... 15 VDC	9 ... 33 VDC 15 ... 30 VDC	9 ... 28 VDC (Ex) 9 ... 33 VDC 10 ... 30 VDC 12 ... 30 VDC	9 ... 28 VDC (Ex) 9 ... 33 VDC 10 ... 30 VDC 12 ... 30 VDC	9 ... 30 VDC	9 ... 33 VDC 15 ... 30 VDC	9 ... 33 VDC 15 ... 30 VDC	9 ... 33 VDC 9 ... 28 VDC (Ex)	9 ... 30 VDC
Electrical Connections	5 gold pins, other specific connections available	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: DIN, Binder, MIL Cable: PUR, PE, FEP	Connector: Binder, MIL Cable: PUR, PE, FEP
Material	Steel (1.4435/316L) Titanium Gr. 2 Hastelloy	Steel (1.4435/316L) Titanium Gr. 2	Steel (1.4435/316L) Titanium Gr. 2	Steel (1.4435/316L)	Steel (1.4435/316L) Titanium Gr. 2	Steel (1.4435/316L)	Steel (1.4435/316L)	Steel (1.4435/316L)	Steel (1.4435/316L) Titanium Gr. 2	Steel (1.4435/316L) Titanium Gr. 2
Certificates	-	ATEX, GOST, RTN	ATEX, IECEx, FM, FMC*, GL, GOST, RTN	ATEX, IECEx, FM, FMC*, GL, GOST, RTN	ATEX, IECEx, FM, FMC*, GL, GOST, RTN	-	-	ATEX, GOST	ATEX, ABS, DNV, GL, GOST, RTN	GOST
Special Characteristics	Available with polynomial compensation	-	-	-	Optional active compensation	welded version (elastomer-free)	850 bar proof pressure	Optional surge protection	Pressure range from -5% to +105% FS until 1:4 adjustable	Pressure range from -5% to +105% FS until 1:4 adjustable
Ignition Protection Category	-	Gas: II 1G Ex ia IIC T3 ... T6 Dust: II 1D Ex iaD 20 T135 °C ... T90 °C IP6x	Gas: II 1G Ex ia IIC T3 ... T6 Dust: II 1D Ex iaD 20 IP6x T125 °C ... T80 °C Mining: M1 Ex ia	Gas: II 1G Ex ia IIC T3 ... T6 Dust: II 1D Ex iaD 20 IP6x T140 °C ... T70 °C Mining: M1 Ex ia	Gas: II 1G Ex ia IIC T3 ... T6 Dust: II 1D Ex iaD 20 IP6x T140 °C ... T70 °C Mining: M1 Ex ia	-	-	Gas: II 1G Ex ia IIC T3 ... T6 Dust: II 1D Ex iaD 20 IP6x T125 °C ... T80 °C Mine dust: M1 Ex ia	Gas: II 1G Ex ia IIC T3 ... T6 Dust: II 1D Ex iaD 20 IP6x T80 °C ... T125 °C	-