



## **Pressure Transmitters SDET**



# Pressure transmitters SDET

Product overview

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- Eight pressure measuring ranges
- Relative pressure measurement
- Analogue output 0.1 ... 10 V or 4 ... 20 mA
- Resistant to water and oils

Detailed product information

➔ [www.festo.com/catalogue/sdet](http://www.festo.com/catalogue/sdet)

Sensors  
Sensors for pressure and vacuum

1.2

## Type codes

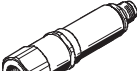
		SDET	-	22T	-	D2	-	G14	-	U	-	M12
<b>Sensor function</b>												
SDET	Pressure transmitter											
<b>Size</b>												
22T	Housing, width across flats 22											
<b>Pressure measuring range</b>												
B2	-1 ... +1 bar											
D2	0 ... 2 bar											
D6	0 ... 6 bar											
D10	0 ... 10 bar											
D16	0 ... 16 bar											
D25	0 ... 25 bar											
D50	0 ... 50 bar											
D100	0 ... 100 bar											
<b>Pneumatic connection</b>												
G14	Female thread G $\frac{1}{4}$											
<b>Analogue output</b>												
U	0.1 ... 10 V											
I	4 ... 20 mA											
<b>Electrical connection</b>												
M12	Plug M12x1, 4-pin											

# Pressure transmitters SDET

Technical data

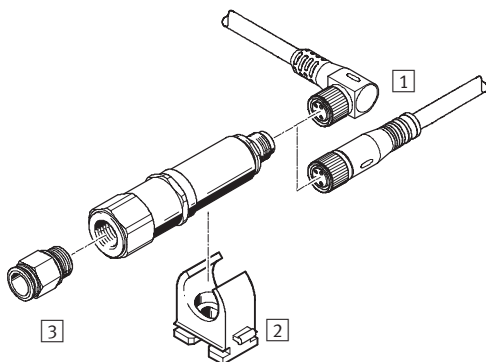
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General technical data			
Analogue output		0.1 ... 10 V	4 ... 20 mA
Design			
Pneumatic connection		G1/4	
Electrical data			
Operating voltage range DC		[V]	14 ... 30
			8 ... 30
Electrical connection		Plug M12x1, 4-pin	
Protection against short circuit		Yes	
Protection class		IP65	
Operating and environmental conditions			
Operating medium		Compressed air; liquid media; gaseous media	
Ambient temperature		[°C]	0 ... 80
Temperature of medium		[°C]	−10 ... 100
CE mark (see declaration of conformity)		In accordance with EU EMC directive	
Certification		C-Tick	
Materials			
Housing		High-alloy stainless steel	
Pressure supply port		CrNi steel 1.4305	
Sealing ring		Fluorocarbon rubber	
Sensor element		Al2O3 96%	



Ordering data						
Variant	Pressure measuring range [bar]	Accuracy FS <sup>1)</sup>	Analogue output 0.1 ... 10 V		Analogue output 4 ... 20 mA	
			Part No.	Type	Part No.	Type
	-1 ... +1	±1.5%	547 476	SDET-22T-B2-G14-U-M12	547 475	SDET-22T-B2-G14-I-M12
	0 ... 2		547 478	SDET-22T-D2-G14-U-M12	547 477	SDET-22T-D2-G14-I-M12
	0 ... 6	±1 %	547 480	SDET-22T-D6-G14-U-M12	547 479	SDET-22T-D6-G14-I-M12
	0 ... 10		547 482	SDET-22T-D10-G14-U-M12	547 481	SDET-22T-D10-G14-I-M12
	0 ... 16		547 484	SDET-22T-D16-G14-U-M12	547 483	SDET-22T-D16-G14-I-M12
	0 ... 25		547 486	SDET-22T-D25-G14-U-M12	547 485	SDET-22T-D25-G14-I-M12
	0 ... 50		547 488	SDET-22T-D50-G14-U-M12	547 487	SDET-22T-D50-G14-I-M12
	0 ... 100		547 490	SDET-22T-D100-G14-U-M12	547 489	SDET-22T-D100-G14-I-M12


1) % FS = % of measuring range's final value (full scale)

## Peripherals overview



Accessories	
1	Connecting cable NEBU-M12 (signal output)
2	Pipe clamp PQ-RK-22 (included in scope of delivery)
3	Push-in fitting QS-1/4

Ordering data – Connecting cables				Technical data → 261
	Number of wires	Cable length [m]	Part No.	Type
M12x1, straight socket				
	4	5	541 328	NEBU-M12G5-K-5-LE4
M12x1, angled socket				
	4	5	541 329	NEBU-M12W5-K-5-LE4

Ordering data – Push-in fittings <sup>1)</sup> →				Technical data → <a href="http://www.festo.com/catalogue/qs">www.festo.com/catalogue/qs</a>
	For tubing O.D.	Part No.	Type	
	4 mm	190 644	QS-G $\frac{1}{4}$ -4 <sup>1)</sup>	
	6 mm	153 003	QS-G $\frac{1}{4}$ -6 <sup>1)</sup>	
	8 mm	153 005	QS-G $\frac{1}{4}$ -8 <sup>1)</sup>	

1) Temperature-dependent operating pressure -0.95 ... 14 bar

# Product Range and Company Overview

## A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



### Custom Automation Components

Complete custom engineered solutions



### Custom Control Cabinets

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## The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



### Electromechanical

Electromechanical actuators, motors, controllers & drives



### Pneumatics

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### PLCs and I/O Devices

PLC's, operator interfaces, sensors and I/O devices

## Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

## Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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