



Pressure Transmitters SDET

Pressure transmitters SDET

Product overview



- 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

Type codes

SDET - 22T - D2 - G14 - U - M12

Sensor function

SDET	Pressure transmitter
------	----------------------

Size

22T	Housing, width across flats 22
-----	--------------------------------

Pressure measuring range

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

Pneumatic connection

G14	Female thread G $\frac{1}{4}$
-----	-------------------------------

Analogue output

U	0.1 ... 10 V
I	4 ... 20 mA

Electrical connection

M12	Plug M12x1, 4-pin
-----	-------------------

Pressure transmitters SDET

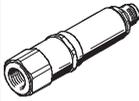
Technical data

FESTO

Sensors
Sensors for pressure and vacuum

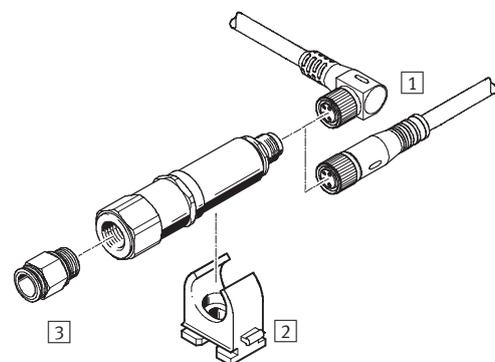
1.2

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 ¹⁾	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 fittings¹⁾→

Technical data → www.festo.com/catalogue/qs

	For tubing O.D.	Part No.	Type
	4 mm	190 644	QS-G1/4-4 ¹⁾
	6 mm	153 003	QS-G1/4-6 ¹⁾
	8 mm	153 005	QS-G1/4-8 ¹⁾

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
Comprehensive engineering support and on-site services



Complete Systems
Shipment, stocking and storage services

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
Pneumatic linear and rotary actuators, valves, and air supply



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.



© Copyright 2008, Festo Corporation. While every effort is made to ensure that all dimensions and specifications are correct, Festo cannot guarantee that publications are completely free of any error, in particular typing or printing errors. Accordingly, Festo cannot be held responsible for the same. For Liability and Warranty conditions, refer to our "Terms and Conditions of Sale", available from your local Festo office. All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior written permission of Festo. All technical data subject to change according to technical update.



Printed on recycled paper at New Horizon Graphic, Inc., FSC certified as an environmentally friendly printing plant.

Festo North America

United States

Customer Resource Center
502 Earth City Expy., Suite 125
Earth City, MO 63045

For ordering assistance, or to find
your nearest Festo Distributor,

Call: 1.800.99.FESTO

Fax: 1.800.96.FESTO

Email: customer.service@us.festo.com

For technical support,

Call: 1.866.GO.FESTO

Fax: 1.800.96.FESTO

Email: product.support@us.festo.com

Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788
www.festo.com/us

Sales Offices

Appleton

N. 922 Tower View Drive, Suite N
Greenville, WI 54942

Boston

120 Presidential Way, Suite 330
Woburn, MA 01801

Chicago

1441 East Business Center Drive
Mt. Prospect, IL 60056

Dallas

1825 Lakeway Drive, Suite 600
Lewisville, TX 75057

Detroit - Automotive Engineering Center

2601 Cambridge Court, Suite 320
Auburn Hills, MI 48326

New York

395 Moreland Road
Hauppauge, NY 11788

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550

Design and Manufacturing Operations



East: 395 Moreland Road, Hauppauge, NY 11788



Central: 1441 East Business Center Drive, Mt. Prospect, IL 60056



West: 4935 Southfront Road, Suite F, Livermore, CA 94550

Mexico

Headquarters

Festo Pneumatic, S.A.
Av. Ceylán 3, Col. Tequesquahuac
54020 Tlalnepantla, Edo. de México
Call: 011 52 [55] 53 21 66 00
Fax: 011 52 [55] 53 21 66 65
Email: festo.mexico@mx.festo.com
www.festo.com/mx



Canada

Headquarters

Festo Inc.
5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Call: 1.905.624.9000
Fax: 1.905.624.9001
Email: info.ca@ca.festo.com
www.festo.com/ca



Festo Worldwide

Argentina Australia Austria Belarus Belgium Brazil Bulgaria Canada Chile China Colombia Croatia Czech Republic Denmark
Estonia Finland France Germany Great Britain Greece Hong Kong Hungary India Indonesia Iran Ireland Israel Italy Japan
Latvia Lithuania Malaysia Mexico Netherlands New Zealand Norway Peru Philippines Poland Romania Russia Serbia Singapore
Slovakia Slovenia South Africa South Korea Spain Sweden Switzerland Taiwan Thailand Turkey Ukraine United States Venezuela

www.festo.com