

Pressure Transmitter for Easy Continuous Control



Picture showing pressure transmitter type 8326 (display) with fitting type S005

8326

0 – 40 bar (max.)

- ✓ High Accuracy ($\leq 0.15\%$)
- ✓ With Optional Display
- ✓ Scaleable Measuring Ranges via Turn-Down of up to 1:20
- ✓ Output Signal 4...20 mA, 2-Wire
- ✓ Food / Pharma Versions (acc. to EHEDG)

This Pressure Transmitter is designed to cover the applications where high accuracy measurement is required. The Transmitter can easily be programmed with four key pads.

Process Specification

Standard Version

Process connection

G 1/2 and NPT 1/2 or any pipe with sensor connection (see data sheet type S001 / S005)
0 up to 0.4, 1.6, 16.0 or 40.0 bar

Measuring range

Flush Diaphragm Version

Process connection

G 1/2
0 up to 6.0, 16.0 or 40.0 bar

Measuring Range

EHEDG Version

Process connection

G 1
0 up to 0.4, 1.6 or 16.0 bar
 $\leq 0.15\%$ of span

Measuring Range

Accuracy

Behaviour with turn-down

Turn down < 1:5
Turn down 1:5 up to 1:20

no change of accuracy the accuracy must be multiplied by the factor (turn down / 5)
 $\leq 0.05\%$ of span
PBT (fiberglass-enforced plastic)
piezo (≤ 16 bar) / thin film (40 bar)

Repeatability

Housing material

Sensor element

Wetted parts

Standard version

Flush diaphragm version

EHEDG version

Weight

stainless steel 1.4571
stainless steel 1.4571, FPM seal
stainless steel 1.4435, EPDM seal
approx. 0.7 kg

Electrical Specification

Power supply (V_s)

Reversed polarity of DC

Short circuit protection

Overvoltage protection

Output signal

Adjustability

Zero point

Span

Maximum load

12 up to 36 VDC protected
yes
yes
4...20 mA, two-wire

Electrical Connections

Environment Specifications

Type of protection

Fluid temperature range

Ambient temperature range

IP 65
-30 up to +105°C
-40 up to +85°C (without display)
-20 up to +70°C (with display)

Standards

EMC

Vibration proof

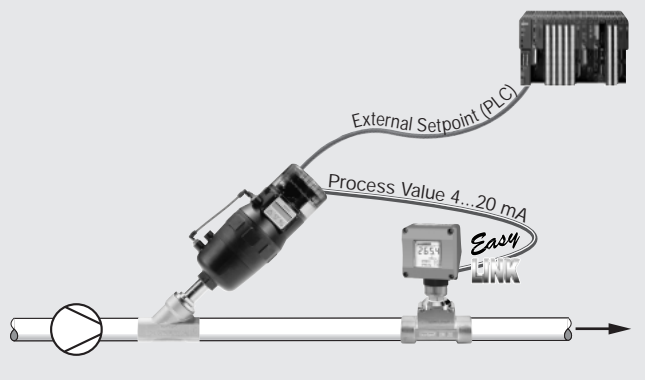
Shock proof

EN 50081-1, 50081-2, 50082-2
IEC 770, 5 g
IEC 770, 100 g

Application:

Pressure Control

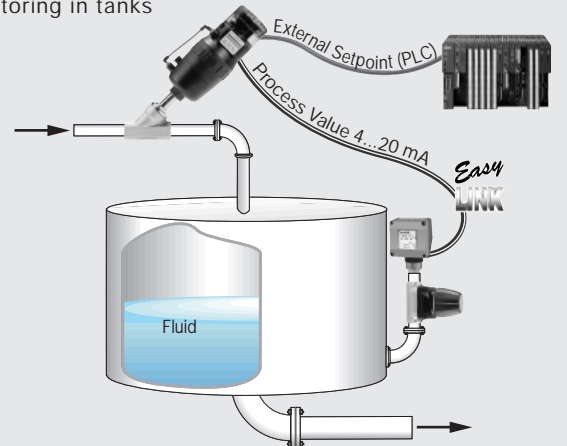
- Monitoring of fluid pressure
- Monitoring of pump functions
- Monitoring of filter functions



Application:

Level Control

- Monitoring in tanks



Pressure Transmitter for Easy Continuous Control

Specifications - Ordering Chart (Other Versions on Request) for Type 8326

Pressure Range* [bar]	Max. Pressure [bar]	Bursting Pressure [bar]	Power Supply	Seal Material	With Display		Without Display	
					Item-No.	Item-No.	Item-No.	Item-No.
Standard version - with or without display					G 1/2	NPT 1/2	G 1/2	NPT 1/2
0 - 0.4	2	2	12 - 36 VDC	-	443 281 Y	443 285 U	443 320 A	443 324 S
0 - 1.6	10	10	12 - 36 VDC	-	443 282 Z	443 286 V	443 321 X	443 325 T
0 - 16.0	80	80	12 - 36 VDC	-	443 283 S	443 287 W	443 322 Y	443 326 U
0 - 40.0	80	400	12 - 36 VDC	-	443 284 T	443 288 F	443 323 Z	443 327 V
Flush diaphragm version - with or without display					G 1/2		G 1/2	
0 - 6.0	35	35	12 - 36 VDC	FPM	443 289 G		443 328 E	
0 - 16.0	80	80	12 - 36 VDC	FPM	443 290 D		443 329 F	
0 - 40.0	80	400	12 - 36 VDC	FPM	443 291 S		443 330 C	
EHEDG version - with or without display					G 1		G 1	
0 - 0.4	2	2	12 - 36 VDC	EPDM	443 292 T		443 331 Z	
0 - 1.6	10	10	12 - 36 VDC	EPDM	443 293 U		443 332 S	
0 - 16.0	80	80	12 - 36 VDC	EPDM	443 294 V		443 333 T	

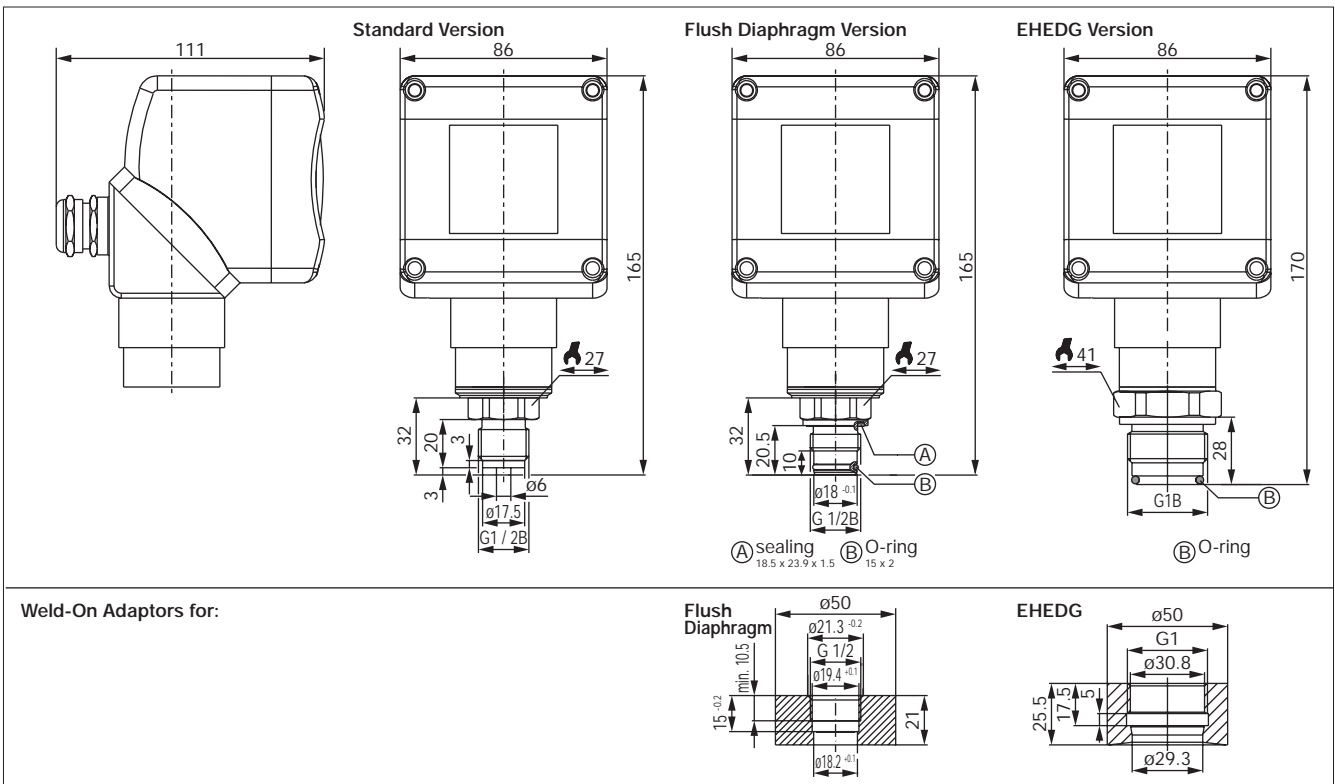
*Other pressure ranges on request

Accessories and Fittings for Type 8326

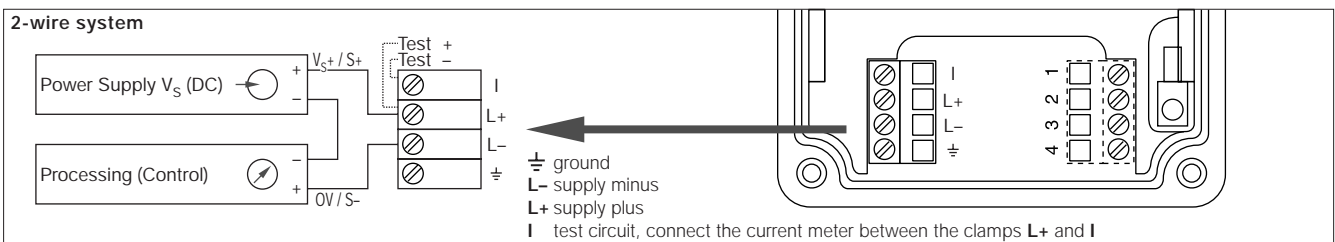
Description	Item-No.
S001 fitting (brass or stainless steel)	see data sheet type S001
S005 INLINE fitting with adapter plate (brass or stainless steel)	see data sheet type S005
Weld-on adaptor for type 8326 flush diaphragm version	443 295 W
Weld-on adaptor for type 8326 EHEDG version	443 296 X

To be ordered separately

Dimensions [mm]



Electrical Connections



In case of special application requirements, please consult for advice.

We reserve the right to make technical changes without notice. 009-GB/ 1-0224