

# SITRANS P measuring instruments for pressure

## Transmitters for gage, absolute and differential pressure, flow and level

### DS III series for gage and absolute pressure, with front-flush diaphragm

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Selection and Ordering data		Order code			Selection and Ordering data		Order code		
<i>Further designs</i>		HART	PA	FF	<i>Further designs</i>		HART	PA	FF
Add "-Z" to Order No. and specify Order code.					Add "-Z" to Order No. and specify Order code.				
<b>Cable sockets for M12 connectors (metal)</b>	<b>A50</b>	✓	✓	✓	<b>Temperature decoupler up to 200 °C<sup>4)</sup></b> for version with front-flush diaphragm	<b>P00</b>	✓	✓	✓
<b>Rating plate inscription</b> (instead of German)					<b>Temperature decoupler up to 250 °C</b> Measuring cell filling: High-temperature oil, only in conjunction with measuring cell filling silicone oil	<b>P10</b>	✓	✓	✓
• English	<b>B11</b>	✓	✓	✓	<b>Bio-Control (Neumo) sanitary connection</b> certified to EHEDG				
• French	<b>B12</b>	✓	✓	✓	• DN 50, PN 16	<b>Q53</b>	✓	✓	✓
• Spanish	<b>B13</b>	✓	✓	✓	• DN 65, PN 16	<b>Q54</b>	✓	✓	✓
• Italian	<b>B14</b>	✓	✓	✓	<b>Sanitary process connection to DRD</b> • 65 mm, PN 40	<b>M32</b>	✓	✓	✓
<b>English rating plate</b> Pressure units in inH <sub>2</sub> O or psi	<b>B21</b>	✓	✓	✓	<b>SMS socket with union nut</b> • 2" • 2½" • 3"	<b>M67</b>	✓	✓	✓
<b>Quality inspection certificate (Factory calibration) to IEC 60770-2</b>	<b>C11</b>	✓	✓	✓	<b>SMS threaded socket</b> • 2" • 2½" • 3"	<b>M73</b>	✓	✓	✓
<b>Acceptance test certificate</b> To EN 10204-3.1	<b>C12</b>	✓	✓	✓	<b>IDF socket with union nut ISO 2853</b> • 2" • 2½" • 3"	<b>M74</b>	✓	✓	✓
<b>Factory certificate</b> To EN 10204-2.2	<b>C14</b>	✓	✓	✓	<b>IDF threaded socket ISO 2853</b> • 2" • 2½" • 3"	<b>M75</b>	✓	✓	✓
<b>"PROFIsafe" certificate and protocol</b>	<b>C21</b>		✓		<b>Sanitary process connection to NEUMO Bio-Connect screw connection</b> certified to EHEDG				
<b>Flanges to EN 1092-1</b>					• DN 50, PN 16	<b>Q05</b>	✓	✓	✓
• DN 25, PN 40 <sup>1)</sup>	<b>M11</b>	✓	✓	✓	• DN 65, PN 16	<b>Q06</b>	✓	✓	✓
• DN 25, PN 100 <sup>1)</sup>	<b>M21</b>	✓	✓	✓	• DN 80, PN 16	<b>Q07</b>	✓	✓	✓
• DN 40, PN 40	<b>M13</b>	✓	✓	✓	• DN 100, PN 16	<b>Q08</b>	✓	✓	✓
• DN 40, PN 100	<b>M23</b>	✓	✓	✓	• DN 2", PN 16	<b>Q13</b>	✓	✓	✓
• DN 50, PN 16	<b>M04</b>	✓	✓	✓	• DN 2½", PN 16	<b>Q14</b>	✓	✓	✓
• DN 50, PN 40	<b>M14</b>	✓	✓	✓	• DN 3", PN 16	<b>Q15</b>	✓	✓	✓
• DN 80, PN 16	<b>M06</b>	✓	✓	✓	• DN 4", PN 16	<b>Q16</b>	✓	✓	✓
• DN 80, PN 40	<b>M16</b>	✓	✓	✓	<b>Sanitary process connection to NEUMO Bio-Connect flange connection</b> certified to EHEDG				
<b>Flanges to ASME B16.5</b>					• DN 50, PN 16	<b>Q23</b>	✓	✓	✓
• Stainless steel flange 1" class 150 <sup>1)</sup>	<b>M40</b>	✓	✓	✓	• DN 65, PN 16	<b>Q24</b>	✓	✓	✓
• Stainless steel flange 1½" class 150	<b>M41</b>	✓	✓	✓	• DN 80, PN 16	<b>Q25</b>	✓	✓	✓
• Stainless steel flange 2" class 150	<b>M42</b>	✓	✓	✓	• DN 100, PN 16	<b>Q26</b>	✓	✓	✓
• Stainless steel flange 3" class 150	<b>M43</b>	✓	✓	✓	• DN 2", PN 16	<b>Q31</b>	✓	✓	✓
• Stainless steel flange 4" class 150	<b>M44</b>	✓	✓	✓	• DN 2½", PN 16	<b>Q32</b>	✓	✓	✓
• Stainless steel flange 1" class 300 <sup>1)</sup>	<b>M45</b>	✓	✓	✓	• DN 3", PN 16	<b>Q33</b>	✓	✓	✓
• Stainless steel flange 1½" class 300	<b>M46</b>	✓	✓	✓	• DN 4", PN 16	<b>Q34</b>	✓	✓	✓
• Stainless steel flange 2" class 300	<b>M47</b>	✓	✓	✓	<b>Sanitary process connection to NEUMO Bio-Connect clamp connection</b> certified to EHEDG				
• Stainless steel flange 3" class 300	<b>M48</b>	✓	✓	✓	• DN 50, PN 16	<b>Q39</b>	✓	✓	✓
• Stainless steel flange 4" class 300	<b>M49</b>	✓	✓	✓	• DN 65, PN 10	<b>Q40</b>	✓	✓	✓
<b>Threaded connection acc. to DIN 3852-2, Form A</b>					• DN 80, PN 10	<b>Q41</b>	✓	✓	✓
• G ¾", flush-mounted <sup>2)</sup>	<b>R01</b>	✓	✓	✓	• DN 100, PN 10	<b>Q42</b>	✓	✓	✓
• G 1", flush-mounted <sup>2)</sup>	<b>R02</b>	✓	✓	✓	• DN 2½", PN 16	<b>Q48</b>	✓	✓	✓
• G 2", flush-mounted <sup>2)</sup>	<b>R04</b>	✓	✓	✓	• DN 3", PN 10	<b>Q49</b>	✓	✓	✓
<b>Tank connection<sup>3)</sup></b> Sealing is included in delivery					• DN 4", PN 10	<b>Q50</b>	✓	✓	✓
• TG 52/50, PN 40	<b>R10</b>	✓	✓	✓					
• TG 52/150, PN 40	<b>R11</b>	✓	✓	✓					
<b>Sanitary process connection according DIN 11851 (Dairy connection)</b>									
• DN 50, PN 25	<b>N04</b>	✓	✓	✓					
• DN 80, PN 25	<b>N06</b>	✓	✓	✓					
<b>Tri-Clamp connection according DIN 32676/ISO 2852</b>									
• DN 50/2", PN 16	<b>N14</b>	✓	✓	✓					
• DN 65/3", PN 10	<b>N15</b>	✓	✓	✓					
<b>Varivent connection</b> certified to EHEDG									
• Type N = 68 for Varivent housing DN 40 ... 125 and 1½" ... 6", PN 40	<b>N28</b>	✓	✓	✓					

# SITRANS P measuring instruments for pressure

## Transmitters for gage, absolute and differential pressure, flow and level

DS III series for gage and absolute pressure,  
with front-flush diaphragm

Selection and Ordering data	Order code		
<i>Further designs</i>	HART	PA	FF
Add "-Z" to Order No. and specify Order code.			
<b>Sanitary process connection to NEUMO Connect S flange connection</b> certified to EHEDG			
• DN 50, PN 16	Q63	✓	✓
• DN 65, PN 10	Q64	✓	✓
• DN 80, PN 10	Q65	✓	✓
• DN 100, PN 10	Q66	✓	✓
• DN 2", PN 16	Q72	✓	✓
• DN 2½", PN 10	Q73	✓	✓
• DN 3", PN 10	Q74	✓	✓
• DN 4", PN 10	Q75	✓	✓
<b>Aseptic threaded socket to DIN 11864-1 Form A</b>			
• DN 50, PN 25	N33	✓	✓
• DN 65, PN 25	N34	✓	✓
• DN 80, PN 25	N35	✓	✓
• DN 100, PN 25	N36	✓	✓
<b>Aseptic flange with notch to DIN 11864-2 Form A</b>			
• DN 50, PN 16	N43	✓	✓
• DN 65, PN 16	N44	✓	✓
• DN 80, PN 16	N45	✓	✓
• DN 100, PN 16	N46	✓	✓
<b>Aseptic flange with groove to DIN 11864-2 Form A</b>			
• DN 50, PN 16	N43 + P11	✓	✓
• DN 65, PN 16	N44 + P11	✓	✓
• DN 80, PN 16	N45 + P11	✓	✓
• DN 100, PN 16	N46 + P11	✓	✓
<b>Aseptic clamp with groove to DIN 11864-3 Form A</b>			
• DN 50, PN 25	N53	✓	✓
• DN 65, PN 25	N54	✓	✓
• DN 80, PN 16	N55	✓	✓
• DN 100, PN 16	N56	✓	✓

1) Special Viton seal included in delivery.

2) Lower measuring limit -100 mbar g (1.45 psi g).

3) The weldable socket can be ordered under accessories

4) The maximum temperatures of the medium depend on the respective cell fillings.

Selection and Ordering data	Order code		
<i>Additional data</i>	HART	PA	FF
Add "-Z" to Order No. and specify Order code.			
<b>Measuring range to be set</b> Specify in plain text (max. 5 digits): Y01: ... up to ... mbar, bar, kPa, MPa, psi	Y01	✓	
<b>Measuring point number (TAG No.)</b> Max. 16 characters, specify in plain text: Y15: .....	Y15	✓	✓
<b>Measuring point text</b> Max. 27 characters, specify in plain text: Y16: .....	Y16	✓	✓
<b>Setting of pressure indicator in pressure units</b> Specify in plain text (standard setting: mA): Y21: mbar, bar, kPa, MPa, psi, ... Note: The following pressure units can be selected: bar, mbar, mm H <sub>2</sub> O <sup>*)</sup> , inH <sub>2</sub> O <sup>*)</sup> , ftH <sub>2</sub> O <sup>*)</sup> , mmHG, inHG, psi, Pa, kPa, MPa, g/cm <sup>2</sup> , kg/cm <sup>2</sup> , Torr, ATM oder % ) ref. temperature 20 °C	Y21	✓	✓
<b>Preset bus address</b> (possible between 1 and 126) Specify in plain text: Y25: .....	Y25		✓

Only "Y01" and "Y21" can be factory preset

✓ = available

### Ordering example

Item line: 7MF4133-1DB20-1AB7-Z

B line: A22 + Y01 + Y21

C line: Y01: 1 ... 10 bar (14.5 ... 145 psi)

C line: Y21: bar (psi)