

Pressure transmitter 3100/3200

Technical description

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| Characteristic | | |
| <ul style="list-style-type: none"> – highly resistant to vibrations and stability – elements made of stainless steel – temperature compensated sensor up to 120 °C – possibility temperature and pressure measuring with one sensor (only voltage output) – small size, perfect for OEM solutions | | |
| Measuring range | | |
| (0 ÷ 10) up to (0 ÷ 1600) bar | | |
| Accuracy class / Stability | | |
| 0,25 / 0,2% full range (3100 series) | | |
| 0,5 / 0,2% full range (3200 series) | | |
| Acceptable overload | | |
| Pressure range [bar] | 3100 series | 3200 series |
| up to 25 | 3x range | 3x range |
| from 25 up to 700 | 2x range | |
| from 700 up to 1000 | | 1,4x range |
| from 1000 up to 1800 | | |
| Power source | | |
| (8 ÷ 30) V DC - current output | | |
| 2 V above output signal up to 30 V DC - voltage output | | |
| Zero tolerance / Span tolerance | | |
| 3100 - 0,5% | | |
| 3200 - 1% | | |



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| Operating conditions | |
| – temperature of the medium: (-40 ÷ 125) °C | |
| – temperature of the environment: (-20 ÷ 80) °C | |
| – compensation temperature: (-20 ÷ 80) °C | |

Ordering code

| Pressure transmitter | | ... - ... - ... - ... - ... - ... - ... - ... | |
|--|--------------------------------------|---|--------------------------------------|
| Series: | | 3100/3200 | |
| temperature range: (-40 ÷ 125) °C | | 3101/3201 | |
| temperature range: (0 ÷ 100) °C | | 3102/3202 | |
| temperature range: (0 ÷ 80) °C | | 3103/3203 | |
| Output: | | R - (0 ÷ 5) V | |
| | B - (4 ÷ 20) mA | H - (1 ÷ 5) V | S - (0 ÷ 10) V |
| | C - (1 ÷ 6) V | N - (0,5 ÷ 4,5) V | T - (0,5 ÷ 4,5) V ratiometric |
| Pressure range [bar] | | 0100G - (0 ÷ 100) | |
| | 0007G - (0 ÷ 7) | 0160S - (0 ÷ 160) | |
| | 0010G - (0 ÷ 10) | 0250S - (0 ÷ 250) | |
| | 0016G - (0 ÷ 16) | 0400S - (0 ÷ 400) | |
| | 0025G - (0 ÷ 25) | 0600S - (0 ÷ 600) | |
| | 0040G - (0 ÷ 40) | 1000S* - (0 ÷ 1000) | |
| | 0060G - (0 ÷ 60) | 1600S* - (0 ÷ 1600) | |
| Process connection type | 01 - G $\frac{1}{4}$ (ext.) | 0E - $\frac{1}{4}$ NPT (int.) | |
| | 02 - $\frac{1}{4}$ NPT (ext.) | 0K - M14x1,5 | |
| | 04 - 7/16-20 (ext.) | 0L - M12x1,5 | |
| | 05 - G $\frac{1}{4}$ (ext.) | 1J - 7/16-20 (ext.) | |
| | 08 - $\frac{1}{8}$ NPT (ext.) | 4N - $\frac{3}{8}$ UNF (ext.) | |
| Electrical connection | B - DIN 9,4 mm connector | 3 - $\frac{1}{2}$ NPT | |
| | E - M12x1P (4-pin) | 6 - Amp - Superseal 1,5 | |
| | F - cable version | 8 - Deutsch DT04-4P | |
| | G - DIN 43650 plug | 9 - Packard MetriPack | |
| | R - DIN 9,4 mm connector | | |
| Pulsation damper (3200 only): none with damper | | | 0 R |
| Cable length | | 00 - none | 03 - 3 m |
| | | 01 - 1 m | 04 - 4 m |
| | | 02 - 2 m | 05 - 5 m |

* 3100 only

Ordering example

Pressure transmitter 3100 B-0016G-01-3-0-00