



548.9300152401



540.943S052401

Pressure transmitter with display and programmable switching outputs

The 548/540 series μ P-regulated, programmable pressure transmitter has a robust industry design, easily adjustable parameters (via function keys in the configuration menu) with up to two programmable switching points. All units are equipped with a large 4 digit display assuring reliable, accurate readings.

- Compact, rugged construction
- Clearly readable display (*rotatable 180°*) - 7 segment LED, 4 digits for pressure and parameter values
- Programmable time delay functions rise and switch off delay 0 - 50 s, response time 5 ... 500 ms
- Electrical connection: M12 x 1 (5 pin) connectors and cables see page K-27 / 28
- 1 x Analog signal output 4 ... 20 mA (0 ... 10 V available on request)
- 2 x programmable switching outputs NO or NC (250 mA)
- Medium: Liquids and gases -20 ... +80 °C
- Protection standard: IP67 - IEC 60529
- Conformity: EN 61326-2-3 / IEC 68-2-27 / IEC 68-2-6 / UL 61610-1

| type | pressure range (bar) ¹⁾ | power supply VDC | output DC ²⁾ | electrical connection ³⁾ | description | pressure connection ⁴⁾ |
|-------------------------------------------------------------------------|------------------------------------|------------------|-------------------------|-------------------------------------|----------------------------------------------------|-----------------------------------|
| Type 548 pressure range: 0 - 40 BAR (H) 73 x (W) 41 x (D) 42 mm | | | | | | |
| Based on the well proven ceramic technology developed by Huba Controls. | | | | | | |
| | | | | | • Accuracy: $\pm 0.3\%$ fs | |
| | | | | | • Overload: ≤ 10 bar 4 x fs > 10 BAR 3.5 x fs | |
| 548.9300152401 | 0 ... 10 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |
| 548.9310152401 | 0 ... 16 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |
| 548.9320152401 | 0 ... 25 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |
| 548.9330152401 | 0 ... 40 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |

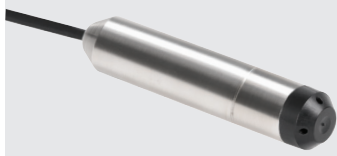
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|----------------------------------------------------------------------------------------------------|-----------|---------|-----------|-----------|----------------------------------------------------------------------------|--------|
| Type 540 pressure range: 0 - 600 BAR (H) 73 x (W) 41 x (D) 42 mm | | | | | | |
| Based on Huba Control developed thick film technology with fully welded pressure measurement cell. | | | | | | |
| | | | | | • Accuracy: $\pm 0.3\%$ fs | |
| | | | | | • Overload: 3 x fs (max. 1500 BAR) rupture pressure 6 x fs (max. 2500 BAR) | |
| 540.941S052401 | 0 ... 100 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |
| 540.943S052401 | 0 ... 250 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |
| 540.955S052401 | 0 ... 600 | 17 - 33 | 4 - 20 mA | M12x1 PNP | transmitter | G 1/4" |
| <i>Other pressure ranges available on request.</i> | | | | | | |

Level sensing pressure transmitters

- Medium temperature range: -20 ... +80 °C
- Accuracy: $\pm 0.25\%$ fs
- Drinking water approval: KTW, W270, WRAS, ACS
- Protection class: (IP68) Cable PE-HD
- Material: Stainless Steel 1.4404 / AISI 316L - Ceramic sensor Al2O3 (99.6%)

| type | pressure range (bar) ¹⁾ | supply VDC | output DC ²⁾ | electrical connection ³⁾ | description | cable length |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------|-------------------------|-------------------------------------|----------------------------------------------------------------------------------|--------------|
| Type 712 - Level sensing pressure transmitters Ø23.4 x 116 mm | | | | | | |
| Type 712 level sensing pressure transmitters are manufactured using an absolute pressure measuring cell with an adjusted and amplified sensor signal. | | | | | | |
| | | | | | • Medium: Fuel oil, ultra-light/heavy - SN 181 160-2, Diesel oil, Drinking water | |
| 712.913101210 | 0.0 ... 0.3 | 10 - 30 | 4 - 20 mA | cable | transmitter | 5 met. |
| 712.911103210 | 0.0 ... 1.0 | 10 - 30 | 4 - 20 mA | cable | transmitter | 15 met. |
| 712.912104210 | 0.0 ... 1.6 | 10 - 30 | 4 - 20 mA | cable | transmitter | 20 met. |

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| Type 713 - Level sensing pressure transmitters Ø18.5 x 138 mm | | | | | | |
| Type 713 pressure level transmitter used for continuous fluid level measurement of ground and drinking water. The compact design permits use in applications with restricted access as small as 20 mm i.d. pipes. Available with enhanced energy efficient ratiometric and digital outputs, for battery powered applications. | | | | | | |
| | | | | | • Suitable for ground and drinking water | |
| | | | | | • Applicable in 3/4 inch pipes | |
| | | | | | • Continuous level measurement | |
| | | | | | • Excellent linearity and long term stability | |
| | | | | | • Medium: Liquids (suitable for drinking water and borehole application) | |
| 713.9301013111 | 0 ... 10 | 10 - 30 | 4 - 20 mA | cable | transmitter | 80 met. |
| 713.9301015111 | 0 ... 10 | 10 - 30 | 4 - 20 mA | cable | transmitter | 100 met. |
| 713.9301016111 | 0 ... 10 | 10 - 30 | 4 - 20 mA | cable | transmitter | 125 met. |
| 713.9301017111 | 0 ... 10 | 10 - 30 | 4 - 20 mA | cable | transmitter | 150 met. |
| 713.9301018111 | 0 ... 10 | 10 - 30 | 4 - 20 mA | cable | transmitter | 175 met. |
| 713.9311018111 | 0 ... 16 | 10 - 30 | 4 - 20 mA | cable | transmitter | 175 met. |



712.913101210



713.9301013111

