SPP110

PART NUMBER

<table>
<thead>
<tr>
<th>Part number</th>
<th>Model Number</th>
<th>Range kPa</th>
<th>0–10 V PSI</th>
<th>Max pressure kPa</th>
<th>Max pressure PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>004702020</td>
<td>SPP110-100kPa</td>
<td>0–100</td>
<td>0–14.50</td>
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<tr>
<td>004702040</td>
<td>SPP110-250kPa</td>
<td>0–250</td>
<td>0–36.26</td>
<td>500</td>
<td>72.52</td>
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<td>004702060</td>
<td>SPP110-600kPa</td>
<td>0–600</td>
<td>0–87.02</td>
<td>1200</td>
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<td>004702080</td>
<td>SPP110-1000kPa</td>
<td>0–1000</td>
<td>0–145.04</td>
<td>2000</td>
<td>290.08</td>
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<td>004702100</td>
<td>SPP110-1600kPa</td>
<td>0–1600</td>
<td>0–232.06</td>
<td>3200</td>
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<td>004702120</td>
<td>SPP110-2500kPa</td>
<td>0–2500</td>
<td>0–362.59</td>
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<td>004702140</td>
<td>SPP110-4000kPa</td>
<td>0–4000</td>
<td>0–580.15</td>
<td>8000</td>
<td>1160.30</td>
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</tbody>
</table>

SPECIFICATIONS

Max. operating pressure 2 * nominal pressure range
Signal output .............................. 0–10 V
Power ....................... 24 V AC ±10%
15–36 V DC

Accuracy
Total of linearity, hysteresis & repeatability ........ ±0.5 % FS
Zero point residual voltage ............ < 50 mV

Temperature influence
Medium & ambient temperature ........ –40 to 105°C
(-40 to 221 °F)
TC zero point .................... <± 0.02%FS/°K
TC sensivity ..................... <±0.018%FS/°K
Load resistance ................... > 10 kOhm
Current consumption, typical .......... 15 mA

Ambient temperature
Operation .................. –40 to 105°C (-40 to 221°F)
Storage ....................... –40 to 115°C (-40 to 239°F)

Materials
Connection box ................. polyamid plastic
Membrane ........................... stainless steel
Enclosure rating .................... IP 65
Weight ........................... max. 130 g (0.287 lb.)

Standards
EMC ...................... EN 50081-1, EN 50082-1

Pressure Transmitter Wet Media 0-10 V

SPP110 Pressure transmitters are intended for use in HVAC pipe systems to monitor the pressure.

SPP110 is an electronic pressure transmitter that converts the measured pressure into an electric 0–10 V signal.

SPP110 is delivered with 2 m (6.6 ft) cable and a G1/2 adapter nut.

Medium: any medium suitable with stainless steel.
MOUNTING

Pressure measurement with liquids
The tapping point should be at the side, near the bottom of the pipe. Do not measure the pressure from the top of the pipe (where it may be affected by airlocks) or the bottom (where it may be affected by dirt).

Always evacuate the system.

Pressure measurement with condensing gases
The tapping point should be at the top so that no condensate reaches the sensor.

Remote mounting
If the temperature of the medium is lower than –40°C (–40°F) or higher than +105°C (221°F), the sensor should be fitted remotely, taking care that no condensate can reach the sensor.

WIRING

0...10V   SPP110

UG=24VAC ± 10% / 15…36 VDC