T60 Dew Point Transmitter

- Patented drift-free $\alpha$-$\text{Al}_2\text{O}_3/\text{SiO}_2$ hybrid dielectric humidity sensor
- Ultra-fast response time ensures safe and reliable monitoring
- Very low hysteresis makes it capable of giving reliable reading during rapid humidity change

The ASPT’s patented $\alpha$-$\text{Al}_2\text{O}_3/\text{SiO}_2$ hybrid dielectric dew point sensor is the world’s most advanced humidity sensor manufactured using the latest nanotechnology, featuring with long-term stability, fast response, and durability in extremely high/low humidity levels. It can be recovered even after exposure to liquid water! It can monitor both dew point and temperature with a temperature sensor provided. Proper use of the meter can provide lifelong reliability without recalibration. The superior performance of the sensor makes it an ideal choice for many industrial applications.

**Dew point range**
- -60 to +20°C dew point

**Output signal**
- 4 to 20mA (typical)

**Specification**
- **Supply voltage**: 6V to 28V DC
- **Accuracy**: ±2 °C dew point (> -60°C DP)
  ±3 °C dew point (-80 to -60°C DP)
- **Response Time (63% [90%] step change @3000 sccm)**: 15 s [45 s] (Step: -60°C to -20°C DP)
  1 min [3 min] (Step: -20°C to -60°C DP)
- **Operating temperature**: 0 to +50°C
- **Repeatability**: 0.5°C dew point
- **Operating pressure**: 5MPa
- **Pressure connection**: G1/2” (Customized connection available)
- **Housing material**: Stainless steel
- **Sensor protection**: Stainless steel weaving filter with pore sizes < 8 μm
- **EMC**: According to IEC 61326-1

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Wire connection

<table>
<thead>
<tr>
<th>Wire</th>
<th>Color</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Brown</td>
<td>VDC+</td>
</tr>
<tr>
<td>2</td>
<td>White</td>
<td>TX0(LCD)</td>
</tr>
<tr>
<td>3</td>
<td>Blue</td>
<td>I+</td>
</tr>
<tr>
<td>4</td>
<td>Black</td>
<td>GND</td>
</tr>
</tbody>
</table>

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