

**PMSENSE-P PARTICULATE MATTER TRANSMITTER**

<b>Measuring principle</b>	Laser scattering
<b>Measured pollutants</b>	PM1.0, PM2.5 and PM10
<b>Measuring range</b>	0...1000 µg/m <sup>3</sup> (for each pollutant)
<b>Resolution:</b>	0.1 µg/m <sup>3</sup>
<b>Particle size detection range</b>	Ø 0.3...10 µm
<b>Linearity error</b>	< 5%
<b>Repeatability</b>	< 3%
<b>Sensor warm up time</b>	15 s
<b>Response time</b>	Measurements update rate 1 s
<b>Sensor lifetime</b>	> 10,000 hours of continuous use
<b>Temperature drift</b>	< 0.01 µg/m <sup>3</sup> /°C
<b>Connection</b>	M12 8-pole circular connector
<b>Operating conditions</b>	-20...+70 °C / 0...95 %RH / 500...1500 hPa
<b>Housing material</b>	Polycarbonate
<b>Protection degree</b>	Housing equipped with a rain-proof and UV resistant inlet air filter – IP 53
<b>Dimensions</b>	120 x 94 x 71 (excluding M12 connector)
<b>Weight</b>	330 g

