

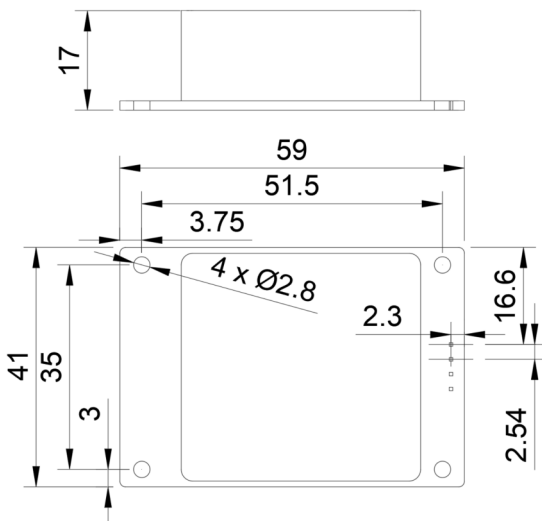
FINE DUST SENSOR

for measuring the concentration of particles in the air



The HM3301 sensor determines the fine dust particle concentration in the air using the scattered light method from a particle size of 0.3 μm .

With this sensor you are able to provide real-time measurement values as well as continuous measurements and then send them to the connected microcontroller via the I2C interface.



MAIN FEATURES

Interface	I ² C (0x40)
Operating voltage	3.3 V / 5 V
Weight	37 g
Dimensions	41 x 64.5 x 17 mm
Scope of delivery	HM3301 Fine dust sensor

OTHER SPECIFICATIONS

Resolution	Concentration: 1 $\mu\text{g}/\text{m}^3$ Particle / 100 cm^3
Measurable particle size	3 Channels: 2.5 μm , 5 μm , 10 μm
Measuring range (PM2.5 default value)	1 - 500 $\mu\text{g}/\text{m}^3$ (Effective range) 1000 $\mu\text{g}/\text{m}^3$ (Maximum range)
Start-up time	30 seconds after power on

OPERATING INFORMATION

Operating temperature	-10 - 60 °C
Operating humidity	10% - 90% Relative humidity (non condensing)

MORE DETAILS

Article number:	SEN-HM3301
EAN:	4250236823843
Customs tariff number:	90268020