

# Data Collection sensors

## CO2 transmitter for up to 20% CO2 content (200,000 ppm)

technical data	Ref.No.
CO2-transmitter	<b>8520.00</b>
dimensions	80x82x85mm
operating humidity range	0...95% RH (non-condensing)
operating temperature	0...45°C
output signal	4...20mA linear (max. resistance 500 Ohms)
power supply	16...26 VDC max 0.1A (2W)
protection type	IP55
response time t90	20s
weight	250g
<b>CO2</b>	
principle	Infrared absorption
measuring range	0 ... 20 %
accuracy	±2% of full scale



technical data	Ref.No.
pressure sensor	<b>8355.03</b> -
pressure sensor for OPUSII	<b>8355.OP</b>
dimensions	100x65x41mm
connection type	8355.03 cable connection / 8355.OP connector
cable length	approx. 0.7m
max. burden	<(UB-7V)/20mA
operating current	4mA
operating rel. humidity	0...95% RH (non-condensing)
operating temperature	-40...60°C
operating voltage	7...15VDC
output signal	4...20mA
protection type	IP54
weight	approx. 360g
<b>absolute pressure</b>	
principle	capacitive ceramic
measuring range	0 ... 1200 hPa
accuracy	±0.5hPa, for T=20°C and 600hPa < Pabs < 1100hPa
<b>absolute pressure</b>	
principle	capacitive ceramic
measuring range	0 ... 1200 hPa
accuracy	±1.5hPa, for 0°C < T < 40°C and 600hPa < Pabs < 1100hPa
<b>absolute pressure</b>	
principle	capacitive ceramic
measuring range	0 ... 1200 hPa
accuracy	±2.0hPa, for -20°C < T < 45°C and 600hPa < Pabs < 1100hPa
<b>absolute pressure</b>	
principle	capacitive ceramic
measuring range	0 ... 1200 hPa
accuracy	±3.0hPa, for -40°C < T < 60°C and 600hPa < Pabs < 1100hPa



technical data	Ref.No.
Differential pressure sensor	<b>2194.00</b>
construction	housing plastic
dimensions	120x122x105mm
Hysteresis	max. 0.1% FS
Linearity	±1% FS
output signal	4...20mA (resistance <=500 Ohms)
overload capacity	max. static pressure 1 bar
power supply	19...31 VDC (supply effect: <0.05 mbar)
pressure media	non-aggressive gases
printer interface	Ø 6.6 x 11 mm (for flexible tubes with Ø 6 mm)
protection type	IP54
stability	Typically ±0.5% per year
weight	approx. 300g
<b>differential pressure</b>	
principle	inductive
measuring range	-0,5 ... 0,5 hPa

