

Data sheet

Sensor-ID	
Gas	EtOH
Measuring principle	Infrared: dual wavelength
Concentration range	0,3 - 10 Vol.%, 0,3 - 25 Vol.%
Accuracy	< 0,5% FS* \pm 5% reading
Longterm stability	< \pm 2% reading / year
Temperature range	15 - 40°C
Temperature of media to measure	once set, temperature has to be fixed
Pressure range	0,8 - 1,3 bar
Pressure compensation	ambient pressure
Housing	PA with cap: one piece
Dimensions/ weight	80 x 130 mm (D x H) / 250 g
Materials in contact with gas	Steel 1.4571, Viton, Sapphire
Used Filters	PTFE 0,22 μ m, PTFE 5 μ m
Lifetime of optical components	approximately 3 years
Internal sensor temperature	3°C more than max. temperature
General	
Mechanical connection	for flow adapter steel, heated
Power Supply	12V, 0,5A
Electric connection	8pin M12 connector (Binder 713)
Electric Output	4mA = 0,0 Vol.%
	20mA = 10,0 Vol.%
	Load resistor up to 250 Ohm
	slope 1,6 mA / Vol.%
Storage	0 - +60 °C; < 75% RH not condensing
Maintenance	1-point calibration w. 0,00 Vol.% Gas (100 Vol.% N2) once per month
	full factory calibration once a year
CE	EN61326-1:1997 +A2:1998
Remarks	Don't use in explosive environments

Keep data sheet safe!