

Gas Analyzer GAE1 CH₄



The gas analyzer GAE is a non-dispersive infrared-photometer (NDIR). It records the absorption of infrared rays, caused by the measuring gas. The wavelengths of the absorption bands characterize the type of gas, whilst the intensity of the absorption is a measurement for the concentration of the measuring components.

Technical Data

Range:	0-5, 0-10, 0-50, 0-100 Vol% CH₄
Accuracy:	+/- 2% FS (Full scale)
Pressure Dependence:	< 2% FS / 10hPa (non compensated) < 0,2% FS / 10hPa (compensated, optional)
Lower Detection Limit:	< 1% FS
Response Time:	10 Sec
Temperature Range:	5-45 °C
Humidity Range:	0-100% rel. Humidity (non condensing)
Measuring gas flow:	10 - 90 l/h
Power Supply:	24-30VDC (electronic stabilized)
Power Consumption:	< 200mA
Analog output:	4-20mA (non isolated)
Max Load mA-Output:	< 100 Ohm
Dimensions:	Weight 107mm (1/4 19"), Deep: 200mm