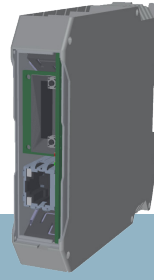


AVENI | BRIDGE



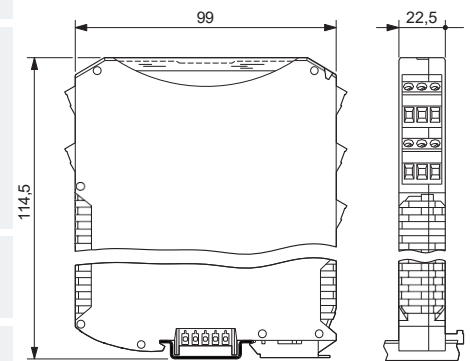
GAS MONITORING

AVENIBRIDGE is a unique calculation unit that combines multiple sensors and computes specific parameters. With its small footprint, the AVENIBRIDGE is ideal for installation in gas metering systems.

SPECIFICATIONS

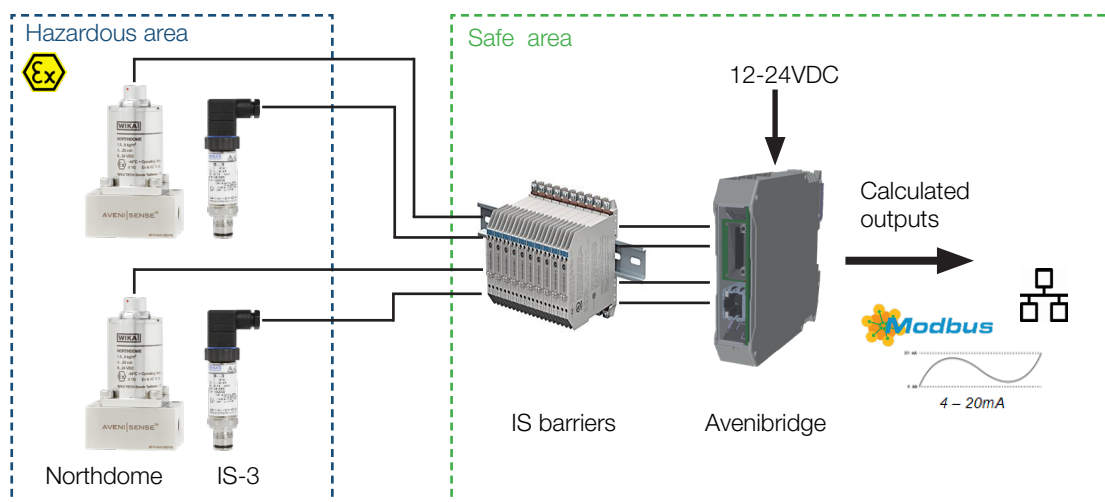
Sensors	1 or 2 x Density and Temperature sensors Northdome 1 or 2 x Pressure sensors IS-3 or S-20
Calculated values	Temperature & Pressure compensated density (kg/m ³) Molar Mass (g/mol) Gas Concentration (% gas A - % gas B) <i>only for binary mixture</i> Specific Gravity <i>Other calculation on demand</i>
Power Supply Typical consumption	+12...24 VDC < 150mA @ 24VDC (1 x set of sensors, 1 x 4-20mA outputs)
Inputs	1 x RS485 Modbus for Northdome sensors 2 x 4-20mA for pressure sensors
Outputs	1 x RS485 Modbus + 1 x Ethernet (optional) 3 x 4-20mA 1 x Display
Temperature	Operating : -20...60°C Storage : -40...70°C

Dimensioned drawing



in mm
Material : Polyamid Gray
Fixing : Rail DIN

TYPICAL WIRING



APPLICATIONS



CONCENTRATION MONITORING



INDUSTRIAL GAS PURITY



NATURAL GAS & BIOGAS MONITORING