

FUEL GAS ANALYSER

Norsk Fuel Gas Analyser is your guarantee of a real time analysis of your fuel gas. In less than 30 seconds you will know your fuel calorific value and methane number together with full gas composition

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The Fuel Gas Analyser is scalable and can analyse multiple feed streams and be used to verify the LNG bunker delivery note.



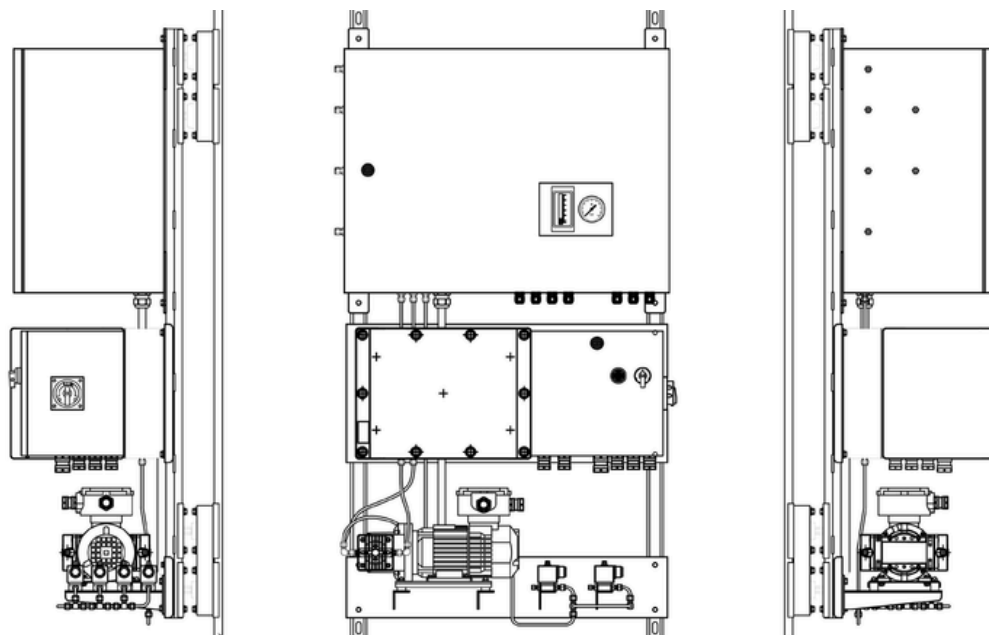
Applications:

- Engine optimisation
- Methane slip reduction
- LNG bunker verification
- LOC emission measurements
- Fuel Mixer (NH₃ and H₂)
- Power plants

Analyser scope:

- Analyser module
- Sampling system
- Pressure reduction system
- Calibration gas for verification (option)
- Sample return pump (option)
- Heated sample tube (option)
- Cabinet cooler (option)
- Vaporiser probe solution (option)





Technical specifications

Analyser performance:

Values	Range	Accuracy
Methane	0-100%	0.5% Vol
Ethane	0-20%	0.5% Vol
Propane	0-20%	0.5% Vol
Iso-Butane	0-5%	0.2% Vol
N-Butane	0-5%	0.2% Vol
C5 total	0-2%	0.2% Vol
CO2	0-10%	1.0% Vol
Nitrogen	0-100%	Balance
Calorific Value (GCV) (ISO 6976:2016)		
Methane Number (MN) (ISO 22302:2014)		

Detection type

Response time

Detailed Analysis Calorific value < 30 sec < 5 sec
Calorific Value - Change Detection

Operating conditions:

- + 5 to 60°C (gas)
- Inlet pres: 1-10 barg
- Outlet pres: up to 5 barg (15 barg as optional)
- IP65
- Ex hazardous rating: II 2G Ex db eb [ia Ga] mb IIB T3 Gb
- 0-0.5 l/min gas flow
- 230V/24VDC
- Modbus TCP (Profibus/Net on request)

Analyser Cabinet:

- Dimensions: 1550 x 800 x 515 mm
- Cabinets: SS316L
- Wetted Parts: SS316
- Ambient temp. range -25-45°C
- Weight: 170 kg
- Power Consumption: 590 W

Please note that datasheet specifications are subject to change without prior notice!