

# 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
- Power plants

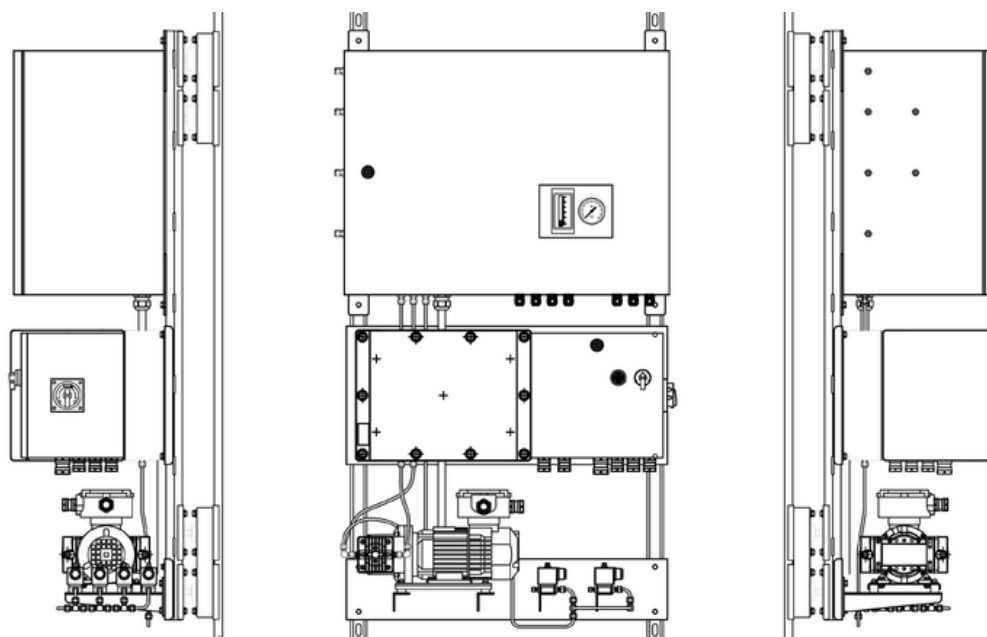
## Analyser Scope:

- Analyser module
- Sampling system
- Pressure reduction system

## Analyser Options:

- 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 |
| CO <sub>2</sub>                          | 0-10%  | 1.0% Vol |
| Nitrogen                                 | 0-100% | Balance  |
| Calorific Value (GCV)<br>(ISO 6976:2016) |        |          |
| Methane Number<br>(MN) (ISO 22302:2014)  |        |          |

| Detection type                     | Response time |
|------------------------------------|---------------|
| Detailed Analysis Calorific value  | < 30 sec      |
| Calorific Value - Change Detection | < 5 sec       |

### 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

*Specifications are subject to change without notice.*