



Wobbe Index and Heating Value Meter WDM 3300

Measures Wobbe Index and Calorific Value of natural gas, fuel gas, biogas, coke oven gas etc.

- Rugged and compact design
- Residual oxygen content principle
- Fast response
- Insensitive to ambient temperature fluctuations
- High accuracy and low noise
- Effective measuring range 0-100% FS
- Output in MJ/Nm³, MJ/Sm³ and BTU/SCF
- Ethernet link allows remote operation
- Optional specific gravity output
- Optional automatic calibration





Specifications

Service	natural gas, fuel gas, biogas, flaregas etc.
Measuring principle	residual oxygen method
Sample wetted parts	SS316, Hastelloy C and Platinum
Installation	general purpose area

Measuring ranges

Wobbe Index	50 MJ/Nm ³ span in 0-100 MJ/Nm ³ range
Calorific Value (option)	50 MJ/Nm ³ span in 0-100 MJ/Nm ³ range
Specific Gravity (option)	0-3
Accuracy	± 1 % of full scale for natural gas
Repeatability	± 0.5% of full scale
Drift	<0.2% of full scale/day
Response time	T90 < 30 seconds

Outputs

Display	backlit LCD, 4 lines
Analogue outputs	2 off isolated 0/4-20 mA (optionally up to 4)
Digital outputs	malfunction, calibration status, calibration alarm
Digital input	start calibration
Communication	TCP/IP MODBUS ethernet link

Utilities

Power supply	220 VAC/50 Hz / 110 VAC/50/60 Hz
Power consumption	350 VA maximum
Instrument air	10 nlpm at 3barG
Sample	1 nlpm at 1,5barG

Installation

Mounting	wall mounting
Dimensions (HxWxD)	1150 x 520 x 400 mm
Weight	60 kg

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