- Exhaust Gas Measurement for Petrol and Diesel
- Seperate NO and NO_2 measurement
- Measurement of RPM and Oil temperature
- Conversion to reference oxygen value
- Displayed as volume or mass concentration
- According to O.I.M.L Class 0

INFRALYT N

EMISSION TESTER FOR COMBUSTION ENGINES

The Infralyt N is used for fast, comprehensive analysis of diesel exhaust gases. With its own development of a special NDIR bench with high precision, the gases CO, CO2 and HC can be measured in the respective ranges. The integration of electrochemical cells for fast NO, NO2 and O2 measurement allows to take a statement to the actual pollutant level. Due to an internalt condensate seperation, no additional accessories and preparations are necessary. All gas components are brought together with the engine rpm and the oil temperature on the display. With this information, the processes and functions of diesel engines with exhaust treatment and pollution are clearly evaluated. The big advantage is, that the small size and low weight make the Infralyt N to form a compact unit, which is suitable for both stationary and for mobile use.

PRODUCT DETAILS

Switchable display

Measured values can be displayed as volume and mass concentration and referenced to a freely selectable reference oxygen value.

NOx measurement

A separate measurement of NO and NO_2 with el. chemical cells enables a highly accurate NOx calculation.

Easy maintenance

Due to the easily accessible filters on the back wall and the el. Cells in the bottom of the device (see illustration), the Infralyt N is easy to maintain despite its robustness.

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TECHNICAL DATA

Measurements

meas. parameter	range	resolution	accuracy
CO	0 - 2.000 ppm vol or 0 - 10 % vol*	1 ppm	± 30 ppm vol ... 5 % rel. ± 0,03 % vol ... 5 % rel.
CO_2	0 - 20 % vol	0,01 %	± 0,5 % vol ... 5 % rel.
HC	0 - 2.000 ppm vol	1 ppm	± 10 ppm vol ... 5 % rel.
NO	0 - 2.500 ppm vol	1 ppm	± 30 ppm vol ... 5 % rel.
NO_2	0 - 500 ppm vol	1 ppm	± 10 ppm vol ... 5 % rel.
O_2	0 - 22 % vol	0,01 %	± 0,01 % vol ... 5 % rel.
Oil Temp*	0 - 170 °C	1 °C	
RPM*	400 - 8.000 min^{-1}	10 min^{-1}	

Operating Conditions

operating temperature	5 - 40 °C
measuring gas temp at probe tip at gas input of device	 5 - 500 °C 5 - 45 °C
ambient pressure	860 - 1060 hPa
main voltage	AC 230 V ± 10 % 50 Hz ± 2 %
power consumption	max. 60 VA
flow	180 ... 240 l/h
rel. humidity	< 75 % in annual mid, max. 95 % at 30 days per year, condensation not permitted
position	stand upright

Dimensions and Mass

width	205 mm
depth	420 mm
hight	270 mm
mass	11,0 kg

Interfaces

Bluetooth class 1 (100m)	✓
USB 2.0 (Type B)	✓
Oil Temp*	✓
RPM*	✓

*) Available as an option

Stand: 05.07.2017

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