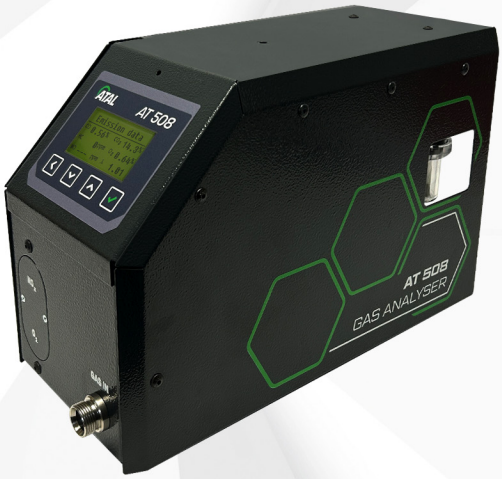
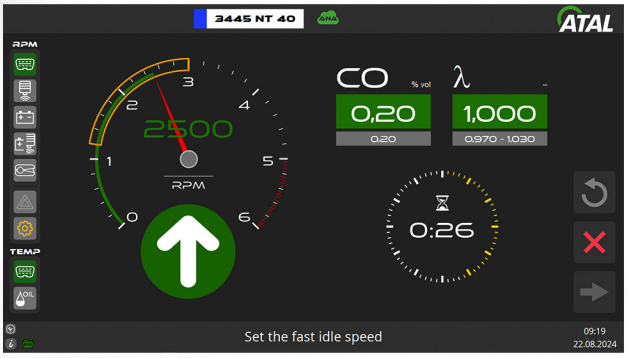
GAS ANALYSER
MODULE AT508



- Uses the ATAL NDIR optical bench using the most robust and advanced components of infrared optical technology
- The ATAL NDIR bench has an accuracy class of 00 (highest defined OIML accuracy class)
- AT508 has a built-in automatic condensate separator
- All-important internal components are protected against contact with contaminated condensatione
- Condensate is strictly drained outside the instrument during the cleaning procedure of the condensatione storage tank and the sampling probe

Analyser is a four (five) component exhaust gas analyser that works in conjunction with a PC. ATAL's NDIR optical bench is used for the construction of the gas analyser, which uses the NDIR method to measure CO, CO_2 and HC concentrations and electrochemical cells to measure O_2 and NO_x concentrations.

The design also exhibits high electromagnetic resistance and resistance to external mechanical and climatic influences. The described new design of the AT508 significantly increases the reliability and long-term stability of the device and considerably extends maintenance periods. The new ATAL emission instrument designs are protected by several patent applications.



The AT508 analyser module complies with OIML R 99/Class 00 and is MID certified (2014/32/EU)

- Supply voltage: 230 V AC / 24 V DC
- Power input: 60 W
- Start-up time: 10 min max. (at 25°C)
- Communication interface: USB (wireless Bluetooth optional)
- Weight: 7 kg
- Probe length: 7 m
- Dimensions: 380 x 250 x 150 mm
- Operating temperature: 0 to 50 °C
- Operating relative humidity: up to 90 % non-precipitation
- Atmospheric pressure: 860 to 1060 hPa
- Storage temperature: -10 to 60 °C
- PC request: OS Win 10, 11

Specifications

MEASURED PARAMETER	RANGE	RESOLUTION	MEASUREMENT ERROR
CO	0 - 10 % vol	0.01 % vol	0.02 % vol or 5% RV
CO_2	0 - 20 % vol	0.1 % vol	0.3 % vol or 5 % RV
$HC_{(hex)}$	0 - 10000 ppm vol	1 ppm vol	4 ppm vol or 5% RV
O_2	0 - 4 % vol	0.01 % vol	0.1 % vol or 5 % RV
	4 - 25 % vol	0.1 % vol	5 % RV
CO_{cor}	0 - 10 % vol	0.01 % vol	
NO_x	0 - 5000 ppm vol	1 ppm vol	
LAMBDA	0.500 - 2.000	0.001	ISO 3930 OIML R 99