



Compatible with diesel vehicles



Description

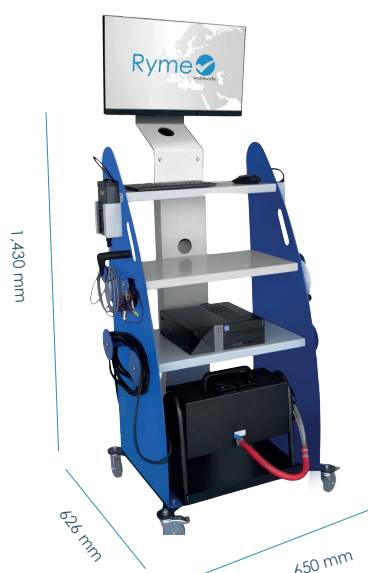
The smokemeter RY-500AH is a **modern equipment**, prepared and ready to meet the requirements of **UNE 82503** and **DIN 57411, SAE J1677 USA/Canada**.

It is a **partial flow meter** based on the **principle of light absorption by smoke**. It allows to perform an **official opacity test** guided step by step through the program. It has a configuration module that allows to **consult and modify the operation parameters**.

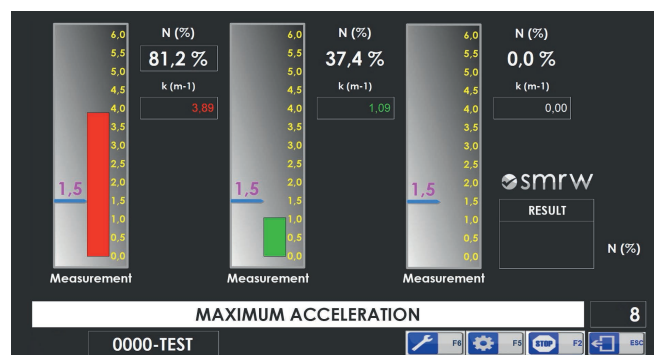
Technical Data and Dimensions

Environmental operation conditions	Op. temp: -10 °C to 55 °C
	Official op. temp: 0 °C to 45 °C
Storage temperature	Humidity: 30 % to 90 %
	Pollution: < 2 %
Optic	Green LED light source between 480 and 680 mm (max. 565mm)
Detector	Silicon photodiode
Response time	10 % to 90 % < 0,2"
Acoustic noise	53 dB
Warm-up period	3 - 6'
Standard test probe	745 mm / 110 mm
Opacity	N range: 0 -100 %
	N resolution: 0.10 %
	K range: 0.00 - 9.99 m ⁻¹
Power supply	K resolution: 0.01 m ⁻¹
	230 V / 50 Hz
Dimensions and weight	460 x 220 x 360 mm 9 kg

Measurement of opacity in % and absorption coefficient K calculated according to Beer-Lambert's law








Software



Standard Equipment

- ✓ Smoke analyzer module
- ✓ Sampling probe
- ✓ Dedicated cabinet for emissions
- ✓ Commissioning certificate for module F smokemeter
- ✓ Electronic control and SMRW software
- ✓ Temperature and rpm meter

Optional Equipment

Optional equipment	
	Voltage stabilizer
	Tachometer and accesories kit for rpm measurement
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	EOBD kit, gas equipment integration and software
	Pole for vehicles with vertical exhaust
Calibration lenses with ENAC certificate	

Approved extensor probe:
1,500 mm, 3,840 mm y 4,000 mm