

Compatible with diesel vehicles



## Description

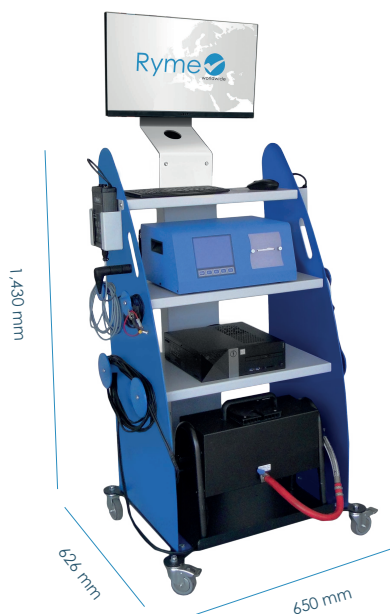
The smokemeter RY-500AH is a **modern equipment**, prepared and ready to meet the requirements of **UNE 82503** and **DIN 57411, SAE J1677 USA/Canada**.

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**.

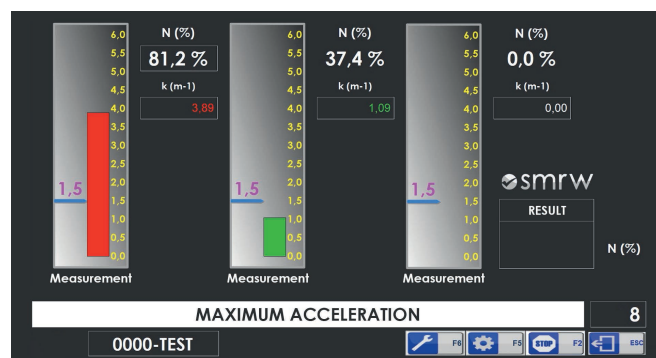
## Technical Data and Dimensions

<b>Environmental operation conditions</b>	<b>Op. temp:</b> -10 °C to 55 °C <b>Official op. temp:</b> 0 °C to 45 °C <b>Humidity:</b> 30 % to 90 % <b>Pollution:</b> < 2 %
<b>Storage temperature</b>	-32 °C to 55 °C
<b>Optic</b>	Green LED light source between 480 and 680 mm (max. 565mm)
<b>Detector</b>	Silicon photodiode
<b>Response time</b>	10 % to 90 % < 0,2"
<b>Acoustic noise</b>	53 dB
<b>Warm-up period</b>	3 - 6'
<b>Standard test probe</b>	745 mm / 110 mm
<b>Opacity</b>	<b>N range:</b> 0 - 100 % <b>N resolution:</b> 0.10 % <b>K range:</b> 0.00 - 9.99 m <sup>-1</sup> <b>K resolution:</b> 0.01 m <sup>-1</sup>
<b>Power supply</b>	230 V / 50 Hz
<b>Dimensions and weight</b>	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