



Particle counter R-PC300

Compatible with diesel vehicles



Description

The **technology** of the **R-PC300** is based on the **DC** (diffusion charging) principle. **In combination with the EOBD module**, the portable particle counter R-PC300 is suitable for **measuring particle number concentration** according to the new AU equipment guideline.

The R-PC300 particle counter is characterized by its **high measuring accuracy for the determination of particle number concentration** and its **simple handling**. This is essential for mobile use to ensure consistent accuracy.

For the calibration and traceability required by law, **Ryme Worldwide has its own certified and approved laboratory**, which also performs mobile calibrations on site by its own service technicians.

Technical Data and Dimensions

Power supply	24 V \pm 10 % continuous tension
Power consumption	< 120 W
Weight	5 kg
Dimensions	325 mm x 103 mm x 290 mm
Operation temperature	+5 °C to +40 °C
Storage temperature	-10 °C to +50 °C
Environmental pressure	860 hPa to 1,060 hPa
Gas flow measurement	2 l/min
Accuracy (laboratory conditions)	\pm 25 %, at least 5,000 cm ⁻³
Preparation and warm-up time	< 5 min
Protection	IP54 in the measuring enclosure
Connectivity	USB, Bluetooth, WLAN
Integrated ASA interface	
Display to show the measurements	
Removal of volatile particles	

Standard Equipment

- ✔ Particle counter R-PC300
- ✔ EOBD Device

Advantages

- ✔ Easy to use
- ✔ No means required for operation
- ✔ Easy to integrate into existing systems
- ✔ Quick and easy replacement of filters without opening the unit
- ✔ Low downtime due to automatic self verifications
- ✔ Robust and low-maintenance measuring principle
- ✔ Exhausting probe hose, making it more resistant to possible breakdowns
- ✔ Exhaustive filtered dilution system to avoid particle contamination

Optional Equipment

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Mobile kit: transport case, cart and a set of batteries (specifically designed for the PTI requirements)



*transport cart (optional)