

OBS-ONE SPN10

On-board Emissions Measurement System for SPN10



- High accuracy SPN10* measurement with CPC for proposed future regulations
- High precision and compact dimensions realized by the optimized pre-conditioning unit
- Improved testing efficiency with automatic zero check function (patent applied)
- Isopropyl alcohol as the working fluid : Safely used by saturation of a small cartridge during test preparation - no reservoir required
- User-friendly design mounts easily on any vehicle

*SPN10 : Solid particle number emissions >10 nm



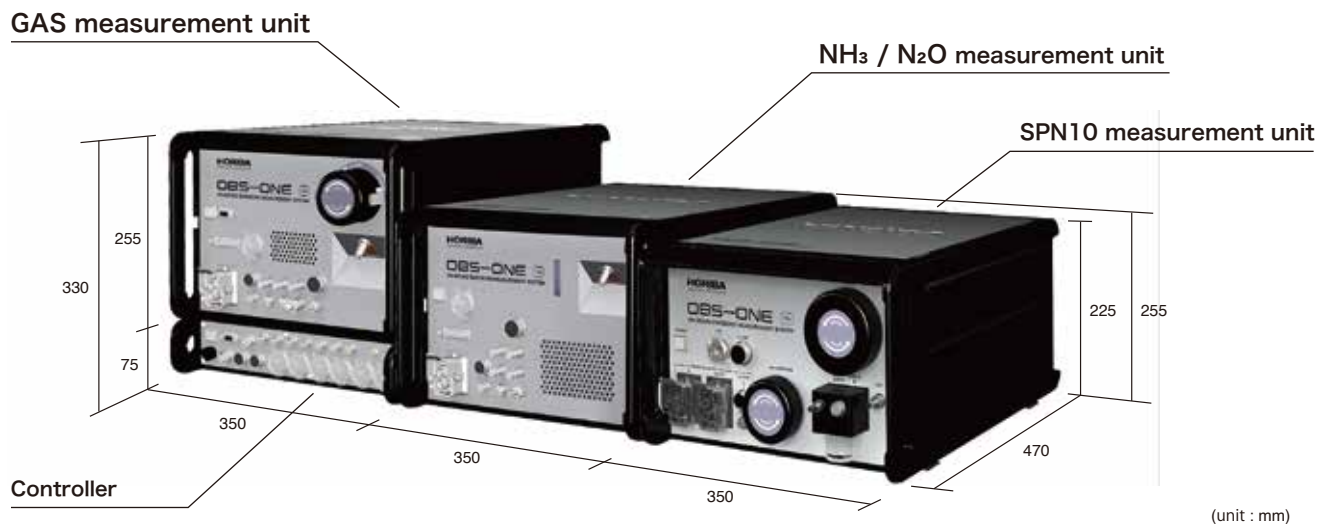
■ OBS-ONE-PN10 Specification

Measuring Principles	Condensation particle counter (CPC)
Particle Diameter	10 ~ 1,000 nm
Measuring Range	0 ~ 5×10 ⁷ particles/cm ³
Power Supply	DC 24 V
Power Consumption (MAX.)	Approx. 0.40 kW
Mass	Approx. 17 kg
Operating Condition	Temperature*: -10 ~ 40 °C Altitude: 0 to 2,500 m above sea level Relative humidity: less than 80 % (No condensation)
Condensation fluid	Isopropyl alcohol : minimum 99.5 % purity
Option	Outer cover for mounting outside the vehicle using a hitch carrier

*Surrounding temperature in setting position is 0 to 40 deg C.

■ Dimensions and system configurations

Combination of GAS and NH₃ / N₂O and SPN10 measurement units (Excluding protrusions)



Please read the operation manual before using this product to assure safe and proper handling of the product.

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