

Personal exposure sampling

The PDS-2



Detector designed to be set close to the respiratory system.

Small, light weight and easy to wear for personal sampling.

Equipped with a nickel hydrogen battery, which can be recharged quickly using an exclusive charger.

Timer makes possible start and end of measurement at a specified time.

The PDS-2 is an aerosol photometer designed to read relative mass concentration of aerosol. The difference between the LD-3B is that the detector is designed to be set close to the respiratory system for personal exposure sampling. It is designed to read mg/m³ directly, however it should be remembered that the calibration is strictly valid for the calibration particle. To measure the accurate mass concentration of the aerosol at hand, a comparison measurement using the gravimetric method will be needed to convert a conversion factor (so called the K factor) to the instrument.

Code	8017-2
Model	PDS-2
Measuring theory	Light scattering method
Measuring accuracy	±10% (with calibration particles)
Measuring range	1: 0.000 ~ 1.000mg/m ³ 2: 00 ~ 10.00mg/m ³ 3: 0.0 ~ 100.0mg/m ³
Function	Concentration display, logging measurement
Number of recording data	60000 units
Suction flow rate	2L/min
Continuous operation	approx. 9hours
Power source	Built in nickel hydrogen battery
	AC adapter (optional)
Operating environment	0 ~ 40°C, humidity 5 ~ 90% (without condensation)
Dimensions	98(W) × 43(D) × 106(H) mm (Main body) 100(W) × 36(D) × 95(H) mm (Detector)
Weight	Approx. 0.5 kg (Main body) Approx. 0.3 kg (Detector)
Accessories	Quick charger (QC-962) Soft case Standard calibration plate