

Fotometer-Calibration System

FCS 248



Fotometer-Calibration-System FCS 248

Prinzip

The Fotometer-Calibration System FCS 248 is used for the controlled generation of test aerosols for calibration of measuring devices. The key part is a special aerosol generator controlled by additional instrumentation. As an aerosol substance DEHS is used. By the applied pre-pressure the concentration of DEHS particles (droplets) can be varied within wide ranges using control valves.

The calibration is based on the comparison of up to three devices which need to be calibrated.

In addition, the fotometers to be calibrated can be provided with particle free air, for instance for zero adjustment.

Special Advantages

- The aerosol concentration and aerosol volume flow (DEHS) is adjustable in a wide range
- Volume flow range carrying air is possible up to 100 l/min
- Compact housing for mobile use
- Optional battery operation
- Paralell connection of up to three devices for calibration and one calibrator

Applications

- Calibration of photometers for concentrations up to 1 g/m³
- Calibration of particle counters and aerosol spectrometers

Technical Data

Flow rate (Carrying gas)	20...100 l/min
Aerosol concentration (DEHS)	< 1 g/m ³ (DEHS)
Particle size (median value DEHS)	0.1 ... 0.5 µm
Aerosol substance	DEHS
Compressed air supply	max. 6 bar
Power supply	24 V DC acc. to the ordered version: either power adapter or battery
Dimensions	550 x 300 x 250 mm
Weight	15 kg

QMS certified to
DIN EN ISO 9001.



12 100 11908 TMS

For more information
please visit our website at
www.topas-gmbh.de

Specifications are subject
to change without notice.

© Copyright 2019 Topas
GmbH.

