

ZR-5410A Portable Multi-function Calibrator

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Overview

ZR-5410A is a Portable Comprehensive Calibrator for Gas, dust, smoke dust Sampler. Especially for calibrating the flow rate and pressure of air sampler, particulate matter sampler and flue gas analyzer.

Application >>

- ✔ Calibration service companies and service industry
- ✔ Measurement and control laboratories
- ✔ Quality assurance

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Accessory



Medium flow orifice flowmeter
(100L/min)



Soap film flowmeter
(6L/min)



Hand operated forcepump
(-30~+30)kPa



High flow orifice flowmeter
(1.05m³/min)
(optional)

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Features

High measurement accuracy

- ✔ The maximum error of flowrate is ±1% (First-Glass Standard)

Meet the multi-type flow calibrator

- ✔ Built-in roots flowmeter to calibrate flue gas analyzer, can read flow directly.
- ✔ Built-in soap film flowmeter to calibrate air sampler and flue gas sampler.
- ✔ Built-in orifice flowmeter was used to calibrate the particulate sampler.

Excellent human interaction experience

- ✔ Built-in high-performance lithium battery, power supply time > 8h.
- ✔ Ambient atmospheric pressure, temperature, can be measured and input.
- ✔ Automatic conversion of standard flow.
- ✔ LCD screen, easy to operate.



Parameter	Range	Resolution	Accuracy
Soap film flowmeter	(50~6000)mL/min	0.1mL/min	±1.0%
Roots flowmeter	(6~260)L/min	0.01L/min	±1.0%
Medium flow orifice flowmeter	(40~160)L/min	0.01L/min	±1.0%
High flow orifice flowmeter	(700~1400)L/min	0.1L/min	±1.0%
Atmospheric temperature	(-20~50)°C	0.1°C	±1.0°C
Micro-pressure	(0~3000)Pa	1Pa	±1%
Gauge pressure	(-50~50)kPa	0.01kPa	±2%
Atmospheric pressure	(60~130)kPa	0.01kPa	±0.5kPa
Repeatability of flowrate test	±0.5%		
Battery	> 8h		
Power supply	AC(100~240)V, 50/60Hz, DC12V 2A		
Size	(L232×W334×H215)mm		
Host Weight	About 9kg		
Consumption	≤10W		

