

PZG Particle Counter 28.3 l/min or 100 l/min



The **PZG** line with a flow rate of 100 LPM offers a sensitivity of 0.3 μm (micron) (Alternative: 28.3 LPM = 1.0 CFM with a sensitivity of 0.2 μm) and is available in three types:

- 0.2 – 5.0 μm
- 0.3 – 10.0 μm
- 0.5 – 10.0 μm

With the flow rate of 100 liters per Minutes you need only 10 Minutes for 1 m^3 and you save 70 % time and because of this costs too.

Utilizing an easy to read, large 8,4" color-touch-screen-display, 800 x 600 SVGA, the **PZG** line is easy to configure and operate. With the PZG it is possible to store up to 1,000 programs with individual configurations.

Our **PZG** line can store a large amount of particle count data from up to 8 channels and data from up to 4 environmental sensors.

All data can be quickly and reliably downloaded to a computer or stored to a USB-stick or printed on the built in thermal printer. Acces to the internally stored data via Ethernet and Telnet is possible.

The PZG line can be used as a portable instrument or integrated with a larger facility monitoring/management system.

FEATURES

- Flow rate 28.3 LPM = 1.0 CFM or 100 LPM
- Sensitivity of 0.2 / 0.3 / 0.5 μm
- View 8 particle sizes simultaneously
- Up to 4 environmental sensors
- Meets JIS standards
- Data reported in ISO-14644-1, DIN 1946-4, CFM (FS-209E), GMP at rest, GMP in operation
- 8,4" (21.5 cm) color touch screen display, 800 x 600 SVGA
- Stainless steel enclosure
- Data easily downloaded to computer
- Large internal data memory at least 10,000 and more measurements
- 1 USB slots for USB sticks
- 1 slot for ETHERNET
- Grab and analyse the measurements within intranet
- Akkus rechargeable
- Internal audible alarm
- Stores up to 1,000 programs with individual configurations.

BENEFITS

- 2 year warranty
- User friendly interface
- Easy to read display
- Excelent support
- Low cost
- 8 kilogram light-weight
- Small dimensions 31 x 24 x 19 cm

APPLICATIONS

- Cleanroom + Facility Monitoring
- Facility Certification
- Filter Testing
- Semiconductor Industry
- Pharmaceutical Industry
- Medical Device
- Food Processing Area
- Cleanroom Packaging
- Aerospace
- Hospital Surgical Rooms
- Hard Disk Drive Manufacturing



DETAILS AND TECHNICAL SPECIFICATIONS

Channel Size:	Standard for 28.3 l/min and 100 l/min:: PZG 21 (not 100 LPM): 0.2 / 0.3 / 0.5 / 1.0 / 2.0 / 3.0 / 4.0 / 5.0 µm PZG 31 and PZG 131: 0.3 / 0.5 / 1.0 / 2.0 / 3.0 / 4.0 / 5.0 / 10.0 µm PZG 51 and PZG 151: 0.5 / 1.0 / 1.5 / 2.0 / 3.0 / 4.0 / 5.0 / 10.0 µm (Other sizes are available, must be ordered in the moment the order)
Flow Rate:	100 LPM (Alternative: 28.3 LPM = 1.0 CFM or 2.83 LPM = 0.1 CFM)
Laser Source:	Laser Diode
Zero Count Level:	< 1 count / 5 minutes (per JIS)
Max. Particle Concentrations:	PZG 21: approximate 30000 particles per liter (0.2 µm) PZG 31 / PZG 131: approximate 30000 particles per liter (0.3 µm) PZG 51 / PZG 151: approximate 10000 particles per liter (0.5 µm)
Count Modes:	Concentration, manual/automatic, beep, cumulative/differential
Sample Output:	Internally filtered to HEPA standards (> 99,997 % @ 0.3 µm)
Pump:	Internal vacuum pump, flow controlled
Calibration:	ISO 21501-4
Data Reports:	ISO-14644-1, DIN 1946-4, CFM (=FS-209E), GMP at rest, GMP in operation (other Reports on request)
Touch Screen Display:	8.4" (21.5 cm) color touch screen display, 800 x 600 SVGA
Communication Modes:	2 x USB, 1 x ETHERNET
Data Storage:	Large internal data memory at least 10,000 measurements and more and / or with USB-memory-stick external memory (includes particle and environmental data plus date, time, measuring time, pause time, programmable particle size channels with distributive, cumulative particle number and volume distribution, mean value (depending on setting))
Printer:	Thermal printer installed
Power supply:	230 V
Battery (optional):	NiHM rechargeable
Enclosure:	Stainless Steel Enclosure
Dimensions:	31 x 24 x 19 cm
Weight:	8 kg

ENVIRONMENTAL CONDITIONS

Operating: 50°F to 104°F (10° C to 40° C) / 20 % to 95 % non condensing
Storage: 14°F to 122°F (10° C bis 50° C) / up to 98 % non condensing

ACCESSORIES

Included: Operation manual, power cable, isokinetic sample probe with 3 m antistatistical tube, purge filter, USB-stick, thermal printerpaper, calibration certificate

Optional: Case to protect the PZG, NiHM battery, sampling handle with start/stop switch for initiating measurements at a distance of up to 5 m from the device, tripod with wheels up to 4 m extensible, thermal printerpaper