

DR-528

PARTICLE COUNTER

FEATURES:

- Large, Full-Color LCD Display
- Menu-Driven Multi-Function Rotary Scroll Wheel
- 30 User-Identifiable Alpha Numeric Location ID's
- Integrated RH & Temp Sensor



SAMPLING MODES:

- Count (CF, /L, or m³) and Total Count
- Single or Continuous
- Selectable Time

BENCHTOP PERFORMANCE IN A HANDHELD PACKAGE

Meet the newest addition to the Met One Instruments, Inc. lineup of handheld particle counters: the DR-528. This particle counter is optimized in functionality and ease of use with a 2.8" TFT full-color LCD display, making accurate measurement readings and operation more effortless than ever. This full-featured particle counter is the perfect addition to any cleanroom or controlled environment monitoring application.

The DR-528 simultaneously measures and records eight user-defined particle sizes, from 0.3 to 10.0 microns. Measurements are rapidly computed and totaled in as little as 30 seconds, recorded using an advanced profile algorithm. The DR-528 is an 8-channel particle counter with a calibrated range of 0.3 to 10 microns.

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PARTICLE COUNTER

An upgraded full-color LCD display makes measurement and selection effortless, supported by simple navigation. New features include an instrument wellness check, modifiable operating conditions, an internal toolbox, and the last calibration date. In addition, the user may customize up to 30 specific locations with alpha-numeric identification.

This rugged, all-aluminum handheld device features an advanced user interface making it the first choice for professionals. The DR-528 is ideal for portable operation, with an internal battery life of 8 hours of continuous sampling and rapid recharge of only 2.5 hours.

FLEXIBLE DATA INTERFACE

Internal data storage allows for 15,000+ records of particle counts, and complementary COMET software enables the user to download and analyze readings easily. Data outputs in a .CSV format.

The stored data records may be viewed on the large color display or transferred to a computer via USB. Met One's COMET software makes file transfers easy with the capability to import sample data into an excel spreadsheet. Utilize the optional docking station with WiFi, ethernet, and RS-485 connectivity for even easier data transfer.



FEATURING AN OPTIMIZED INTERFACE TO MAKE SAMPLING EASIER

RH & TEMPERATURE SENSOR

Equipped with an integrated relative humidity and temperature sensor, data reports automatically include these parameters.

USER INTERFACE

Streamlined tactile navigation utilizes a 'Start/ Stop' button, a 'Menu/ Escape' button, and a 'Press/ Select' rotary knob for scrolling that doubles as a selection switch when pressed. The result is a faster, more intuitive interface.

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PARTICLE COUNTER

COLOR LCD DISPLAY



Intuitive Navigation

**Assign up to 30
Different Locations
with Alpha-Numeric
Identification**



**Scrolling
Functionality
Streamlines
Sampling**

**Integrated Tools
Menu to Optimize
Device Capabilities**



**Interface Features
Numeric Sample
Countdown Timer**



Performance

Particle Size Range	0.3 µm - 10 µm, 8 channels
Calibrated Sizes	0.3 µm, 0.5 µm, 0.7 µm, 1.0 µm, 2.0 µm, 3.0 µm, 5.0 µm, and 10 µm 0.1µm steps from 0.3 µm - 10 µm
User Size Setting	0.1µm steps from 0.3 µm - 10 µm
Concentration Range	0 – 3,000,000 particles per cubic foot (105,900 particles/L)
Accuracy	± 10% to calibration aerosol
Flow Rate	0.1 cfm (2.83 lpm)
Sample Time	Adjustable: 30 to 9,999 seconds; factory default: 1 minute
Hold Time	0-9,999 seconds

Electrical

Light Source	Laser diode, 90 mW, 780 nm
Battery Pack	7.4 V 2,200 mAh Li-ion
AC Adapter/Charger	Li-ion battery charger, 100-240 VAC, 50/60Hz
Communications	USB-C Serial; With Optional Docking Station, RS-485, WiFi, & Ethernet
Battery Life	8 hours continuous operation, recharge time 2.5 hours
Certifications	Meets or exceeds CE, ISO21501-4 (with ISO calibration)

Interface

Display	2.8 inch TFT full-color LCD
Keyboard	2-button membrane keypad with rotary dial

Physical

Weight	1.0 lb, 13.5oz (0.84kg)
Size	Height = 8.8" (22.35 cm) Width = 3.75" (9.53 cm) Thickness = 2.0" (5.1 cm) (without rubber boot)

Environmental

Operation Temperature	0° to +50°C
Relative Humidity Storage	< 95% (non-condensing)
Temperature	-20° to +60°C

SUPPLIED ACCESSORIES

- User Manual
- Isokinetic Sample Inlet
- EVA Carrying Case
- USB Cable
- Zero Particulate Filter
- Calibration Certificate
- RH & Temperature Probe
- Rubber Boot
- Comet Software
- ParticleView Software
- AC Adapter/ Battery Charger

OPTIONAL ACCESSORIES

- Swift 6.0 Flow Meter
- Docking Station w/ WiFi, Ethernet & RS-485 connectivity (P/N 83529)
- Tripod / Wall Mount Bracket (P/N 8956-1)
- ISO 21501-4 Calibration (P/N 80849)

Specifications are subject to change at any time.



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