

FEATURES:

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



**BENCHTOP
PERFORMANCE IN A
HANDHELD PACKAGE**

SAMPLING MODES:

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



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. Measurements are rapidly computed and totaled in as little as 60 seconds, recorded using an advanced profile algorithm. The DR-528 contains an 8-channel particle counter with a calibrated range of 0.3 to 25 microns.



COLOR LCD
DISPLAY

Intuitive Navigation

**Scrolling
Functionality
Streamlines
Sampling**

**Assign up to 10
Different Locations
with Alpha-Numeric
Identification**

**Integrated Tools
Menu to Optimize
Device Capabilities**



**New Interface Features
Numeric Sample
Countdown Timer**



PERFORMANCE

Particle Size Range	0.3 µm - 25 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
User Size Setting	0.1 µm 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

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 (0.84 kg)
Size	Height = 8.8" (22.35 cm) Width = 3.75" (9.53 cm) Thickness = 2.25" (5.72 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)



Specifications are subject to change at any time.

