

## **DR-528**

## **PARTICLE COUNTER**

## **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



## **SAMPLING MODES:**

- Count (CF, /L, or m<sup>3</sup>)
- 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 clean room 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 10 microns.



# **DR-528**

## **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 ten specific locations with alphanumeric 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 computervia USB. Met One's COMET software makes file transfers easy with the capability to import sample data into an excel spreadsheet. Utilize the ALL-NEW 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.



# **DR-528**

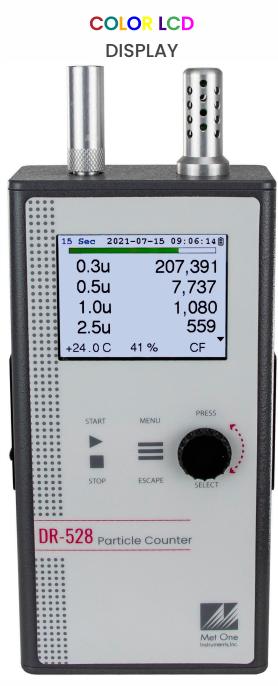
## **PARTICLE COUNTER**



**Intuitive** Navigation

Assign up to 10
Different Locations
with Alpha-Numeric
Indentification





New Interface Features
Numeric Sample
Countdown Timer



Scrolling
Functionality
Streamlines
Sampling

Integrated Tools
Menu to Optimize
Device Capabilities



#### **PERFORMANCE**

Particle Size Range  $0.3 \mu m - 25 \mu m$ , 8 channels

Calibrated Sizes 0.3  $\mu$ m, 0.5  $\mu$ m, 0.7  $\mu$ m, 1.0  $\mu$ m, 2.0  $\mu$ m, 3.0  $\mu$ m, 5.0  $\mu$ m, and 10  $\mu$ m

**User Size Setting** 0.1μm steps from 0.3 μm - 10 μm

ConcentrationRange 0 – 3,000,000 particles per cubic foot (105,900 particles/L)

± 10% to calibration aerosol Accuracy

FlowRate 0.1 cfm (2.83 lpm)

Sample Time Adjustable: 30 to 9,999 seconds; factory default: 1 minute

**Electrial** 

Light Source Laser diode, 90 mW, 780 nm 7.4 V 2.200 mAH Li-ion **Battery Pack** 

AC Adapter/Charger Li-ion battery charger, 100-240 VAC, 50/60Hz

Communications Battery USB-C Serial; With Optional Docking Station, RS-485, WiFi, & Ethernet

8 hours continuous operation, recharge time 2.5 hours Life 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** 

0° to +50°C OperationTemperature

Relative Humidity Storage < 95% (non-condensing)

- 20° to +60°C Temperature

### **SUPPLIED ACCESSORIES**

- User Manual
- Isokinetic SampleInlet
- 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)

Met One Specifications are subject to change at any time.

