

INTRODUCTION

The Metravi 4-in-1 Air Particle Counter comes with 2.8" colour TFT LCD display & a MicroSD memory card for capturing images (JPEG) or video (3GP) for viewing on your PC.

Providing fast, easy and accurate readings for Particle Count and CO and HCHO Gases (in model APC-81 only), Air Temperature & Relative Humidity. The Dew-point Temperature measurement is measured for wet and dry proof.

These are handy, industrial, measurement tools and data analysers and the best instruments for environment protection and energy conservation.

The real environment and time are displayed on the colour display. Any memory readings can be recorded on MicroSD card. Offline analysis of the measured air quality is easy to do with the support of built-in software.

FEATURES

- Shoot Images (JPEG) & Videos (3GP)
- MicroSD (max. 8GB) memory card
- Measures Air temperature and Humidity
- Measures Dew-Point & Wet Bulb temperature
- Simultaneously measures and displays 6 channels of particle sizes
- HCHO detector (APC-81 only)
- CO detector (APC-81 only)
- MAX, MIN, DIF, AVG, Record
- Date/time setup controls
- Auto Power-off

GENERAL SPECIFICATIONS

- Display: 2.8", 320*240 pixels, TFT, Colour, Backlit, LCD
- Operating Temperature: 0°C to 50°C (32°F to 122°F)
- Storage Temperature: -10°C to 60°C (14°F to 140°F)
- Operating & Storage Humidity: 10 to 90%RH non-condensing



*Technical Specifications & Appearance are subject to change without prior notice

TECHNICAL SPECIFICATIONS

PARTICLE COUNTER

Channels	0.3, 0.5, 1.0, 2.5, 5.0, 10um
Flow Rate	0.1ft3 (2.83L/min)
Counting Efficiency	50% @ 0.3 μm; 100 % for particles > 0.45 μm
Coincidence Loss	5% at 2,000,000 particles per ft ³
Data Storage	5000 sample records (Micro-SD card)
Count Modes	Cumulative, Differential, Concentration

AIR TEMPERATURE

Range	0°C to 50°C (32°F to 122°F)
Accuracy	±0.5°C (0.9°F) 10°C to 40°C ±1.0°C (1.8°F) others
Dewpoint Temp. Range	0°C to 50°C (32°F to 122°F)
Dewpoint Temp. Accuracy	±0.5°C (0.9°F) 10°C to 40°C ±1.0°C (1.8°F) others

HCHO (APC-81 only)

Range	0.01~5.00PPM
Basic Accuracy	±5% F.S
Display Resolution	0.01ppm

RELATIVE HUMIDITY

Range	0 to 100% RH
Accuracy	±3%RH 40 to 60% ±3.5%RH 20 to 40% & 60% to 80% ±5%RH 0 to 20% & 80% to 100%

CO MEASUREMENT (APC-81 only)

Range	10~1000PPM
Basic Accuracy	±5%F.S
Display Resolution	1ppm

BATTERY

Battery	Rechargeable battery
Battery Life	About 4 hours continuous use
Battery Charge Time	About 2 hours with AC adapter

ACCESSORIES

- Zero Filter
- Tripod Stand
- Charger
- USB Cable
- Rechargeable Battery
- Hard Carrying Case
- User Manual
- Software CD



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