



*Delivering test and measurement advantages for HVAC/R professionals worldwide*

## Test the TPI advantage

### 1020

#### APPLICATIONS

- Airborne contamination monitoring & testing
- Clean rooms
- Emissions sourcing
- Filter testing
- IAQ monitoring & testing

## 1020: Handheld Particle Counter



#### • Small Size -Big Performance

The handheld TPI 1020 is a portable particle counter that counts particles down to 0.3 microns-giving you portability and reliability at the lowest price in the industry.

#### • Completely Self-Contained-Selectable Particle Sizes

Don't let the size fool you-the TPI 1020 is completely self-contained with its own internal battery and sample pump, and is programmable, allowing you to choose your particle size of interest from five sizes: 0.3, 0.5, 1.0, 2.0, or 5.0 microns.

#### • Fast Sampling

Unlike other counters that can take up to a minute to deliver results, the TPI 1020 starts delivering volumetric concentration results in about 3 seconds! This facilitates quick multi-site sampling, tracing particle sources and site particle trending.

#### • Simple Operation

Only two front-panel buttons control the size channels and sample cycle. Power is controlled by the Start / Stop button.

#### • Battery or AC Powered

The self-contained battery pack powers the unit for 30 hours of typical intermittent operation, and for up to 12 hours of continuous use. The included AC charger / adapter operates the counter, even when the battery pack is discharged, and recharges the depleted battery in 2.5 hours.

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### Specifications

<b>Particle Size Range</b>	>0.3, >0.5, >1.0, >2.0, and >5.0 $\mu\text{m}$ (selectable)
<b>Concentration Range</b>	0 – 3,000,000 particles per cubic foot (105,900 particles/L)
<b>Accuracy</b>	$\pm 10\%$ , to calibration aerosol
<b>Sensitivity</b>	0.3 $\mu\text{m}$
<b>Flow Rate</b>	0.1 cfm (2.83 lpm)
<b>Sample Time</b>	1 minute total (reading updated every 3 seconds)