



SP1000 Ambient CO₂ Smart Probe

Test Products International, Inc.



Uses NDIR CO₂ sensor for accuracy

Connects to smart phone and uses the TPI Smart Probe App or the TPI View app

Perform ambient CO₂ level checks

Up to 6 SP1000 smart probes can connect to a single mobile device (most devices)

3 Year Limited Warranty

Test the TPI Advantage

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A. INTRODUCTION

1. **Congratulations:** Thank you for purchasing TPI products. The SP1000 is easy to use and built to last. It is backed by a 3 year limited warranty.
2. **Product Description:** The SP100 is an Ambient CO2 IAQ “Smart Probe”. It connects to your mobile device and uses the TPI Smart Probe App or TPI View App to display ambient CO2 readings.
Data can be displayed, saved, logged, allocated to a specific job, exported & e-mailed in either pdf or csv depending on which app the SP1000 is connected to.
3. Download either the SmartProbe or the View app from either the Apple App Store or the Google Play Store

SmartProbes App




View App



B. SAFETY CONSIDERATIONS

1. Never attach the SP1000 to a hot surface.
2. Never breath directly into the SP1000 while performing measurement checks as doing so will skew the actual ambient air reading results.
3. Do not expose the unit to damp environments for extended periods of time.

C. SPECIFICATIONS

SP1000 Smart Probe Ambient Air CO2 Meter Specifications	
Range	0 to 6,000 ppm
Resolution	1 ppm
Unit	ppm
Accuracy	+/- (50ppm+3% of measurement) at (0 to 5,000ppm Range) +/- (100ppm+7% of measurement) at (5,000 to 6,000ppm Range)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Measurement Interval	2 seconds
Communication	Bluetooth version 4.2 (Use with TPI Smart Probe or View app) FCC ID: QQQBDM113 IC: 5123A-GBM113  209-J00204
Battery Type	AAA x 3 (4.5V)
Battery Life	30 hours typical
Weight	99.5 g (3.5 oz)

D. INSTRUMENT OVERVIEW



1. Sensing area.
2. SP1000 status LED indicator.
Orange and blinking = Bluetooth not connected
Green and blinking = Bluetooth connected
Blinking Red with either of the above = Low battery
3. Power Key. Press and hold to turn the instrument on.
Press and hold to turn the instrument off.

4. Built-in magnet. Attach to metal surfaces for hands free operation. Ensure surface is not hot.
5. Serial number location. Last three digits are the product identification number and marked in bold. Use this number to distinguish between models when several SP1000's are connected to a phone or tablet.
6. Screw to open battery compartment. Turn the screw counter clockwise until it is just above the compartment door. Lift on the screw to open the compartment.



E. MAINTENANCE

1. Clean the surface of the instrument with a damp cloth.
2. Replace the three AAA batteries when the low battery indicator appears.

F. TROUBLE SHOOTING

Symptom

Probable Cause

CO2 seems inaccurate.

- Low battery.
- Make sure not to breath into test area.
- Ensure connection with smart device is working.

SP1000 does not turn on.

- Dead or low batteries.
- Not holding down power switch until unit turns on.
- Defective POWER ON switch.

SP1000 reads high all the time.

- Make sure not to breath into test area.

G. ACCESSORIES

Included Accessories

Part Number	Description
A1000SP	Soft pouch

Optional Accessories

Part Number	Description
A925	Carrying case for 4 smart probes
A926	Carrying case for 1 or 2 smart probes

H. WARRANTY

This product is warranted to the purchaser against defects in material and workmanship for three years from the date of purchase.

Covered by Warranty: Repair parts and labor; or replacement of the product at company's option. Normal transportation charges to the purchaser are also covered.

Not Covered by Warranty: Damages to the product which are the result of abuse, improper use or maintenance are not covered. Any other expense, consequential damages, incidental damages, or incidental expenses including damages to property are not covered. Transportation expenses to the company are not covered.

To Obtain Warranty Performance: Include with the product: your name, address, phone number, written description of the problem and proof of purchase date. Carefully package and return to:

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Implied Warranties: Any implied warranties including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to three years from date of purchase. To the extent any provision of this warranty is prohibited by federal or state law and cannot be preempted, it shall not be applicable. This warranty gives you specific legal rights, and you may also have other rights which vary from country to country.

I. REPLACING BATTERIES

1. Turn the battery compartment screw counter clockwise until it is just above the compartment door. Lift on the screw to open the compartment.



2. Replace the three AAA batteries.



3. Re-install the battery cover and tighten the screw by turning it clockwise.

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