



# 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**

**3 Year Limited Warranty**

**EN50543 compliant**

## Test the TPI Advantage

Visit [www.tpieurope.com](http://www.tpieurope.com)

# TABLE OF CONTENTS

A. Introduction.....	1
B. Safety Considerations.....	1
C. Specifications.....	2
D. Instrument Overview.....	3
E. Maintenance.....	4
F. Trouble Shooting.....	4
G. Accessories.....	4
H. Warranty.....	5
I. Replacing Batteries.....	5

The SP1000 has been tested with the following standards and is in compliance with the council RED directive 2014/53/EU: -

LIANTAN INDUSTRIAL No.95 OF LUOHU  
SHENZHEN CHINA.  
Website:WWW.RONGBIAOTEST.COM


**RBT**

## Certificate of Conformity

No: RBT19041131IEC-1

Applicant	: SUMMIT CO.,LTD
Address	: 58, Gaetbeol-ro, Yeonsu-gu, Incheon, Korea
Manufacturer	: SUMMIT CO.,LTD
Address	: 58, Gaetbeol-ro, Yeonsu-gu, Incheon, Korea
EUT	: CO2 Smart Probe
MN	: SP1000
Test Standards	: EN 62479:2010 EN 61326-1:2013 EN 61010-1:2010 ETSI EN 301 489-17 V3.1.1(2017-02) ETSI EN 301 489-1 V2.1.1 (2017-02) ETSI EN 300 328 V2.2.0 (2017-11)

**CE**

  
(Manager)  
April 11, 2019

The EUT described above has been tested by us with listed standards and found in compliance with the council RED directive 2014/53/EU. It is possible to use CE marking to demonstrate the compliance with this Directive.  
The scope of evaluation relates to the submitted documents only.

## 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 FREE 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.
3. Download the FREE TPI View app from either the Apple App Store or the Google Play Store




## 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: QOQBDM113 IC: 5123A-GBM113  209-J00204
Battery Type	AAA x 3 (4.5V)
Battery Life	30 hours typical
Weight	99.5 g (3.5 oz)

The SP1000 has been tested with the following standards and is in compliance with the council RED directive 2014/53/EU: -

EN 62479:2010  
EN 61326-1:2013  
EN 61010-1:2010  
ETSI EN 301 489-17 V3.1.1(2017-02)  
ETSI EN 301 489-1 V2.1.1 (2017-02)  
ETSI EN 300 328 V2.2.0 (2017-11)

The relevant certificate can be viewed, downloaded and printed from the TPI website at the following address: -

[www.tpieurope.com/wp-content/uploads/2019/11/SP1000-Certificate-of-Conformity.pdf](http://www.tpieurope.com/wp-content/uploads/2019/11/SP1000-Certificate-of-Conformity.pdf)

## 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**

<b>Part Number</b>	<b>Description</b>
A1000SP	Soft pouch

### **Optional Accessories**

<b>Part Number</b>	<b>Description</b>
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:

**TPI, Inc.**  
9615 SW Allen Blvd.  
Beaverton, OR 97005  
USA  
503-520-9197  
www.testproductsintl.com

**TPI Canada**  
342 Bronte Rd. S., Unit 6  
Milton, Ontario L9T 5B7  
Canada  
905-693-8558  
www.tpicanada.com

**TPI, Europe Ltd..**  
Longley House, International Drive  
Southgate Crawley  
West Sussex RH10 6AQ England  
44(0) 1293 530196  
www.tpieurope.com

**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.



# Thank You!!!!



## & Welcome to the TPI Family

We really appreciate you coming onboard, if you aren't already, and look forward to serving you over the next few years, and beyond. For the best experience head over to

[www.tpieurope.com](http://www.tpieurope.com),

create your account and register your product.

### Benefits include:

- Everything in one place
- Create service, calibration and warranty/repair requests
- Download certificates
- Contact sales, support and customer service
- Read correspondence from TPI including Service updates
- Manage your order history
- Shop Online for accompanying products and spares delivered direct to your door

Please do not hesitate to contact us by any of the following methods:-

Tel: 01293 530196

E-mail: [sales@tpieurope.com](mailto:sales@tpieurope.com) or [service@tpieurope.com](mailto:service@tpieurope.com)

Website: [www.tpieurope.com](http://www.tpieurope.com) inc. LIVECHAT

Facebook: @tpieurope

Twitter: @TPIEuropeLTD



**Test Products International Europe Ltd.**

Longley House, International Drive  
Southgate, Crawley, West Sussex RH10 6AQ

Tel: +44 (0) 1293 530196

[www.tpieurope.com](http://www.tpieurope.com)