



SP700 Smart Carbon Monoxide Probe

Instruction Manual



Scan to download
the TPI View app:



Description

The TPI SP700 Smart Carbon Monoxide Probe is used to measure CO in ambient air including living areas and workspaces. It connects to a smart device using the TPI View app. It sends live measurement data and can be used to perform ambient CO tests and data logging.

OPERATION

WARNING: The SP700 was designed to read CO levels in ambient air. Do not place it on hot surfaces or in direct streams of hot air.

1. Install the TPI View App on your smart device.
2. Press and hold the SP700 on/off key for approximately 2 seconds to turn the smart probe on. An orange LED will blink indicating the SP700 is ready to be connected.
3. Open the View app and tap 'Start Scanning for TPI Smart Instruments'. Then tap on SP700 to connect it to the app.
4. The live readings will be displayed on the app. 'Ambient CO' test and 'Logger' can be selected at the top of the app screen.

AMBIENT CO TEST

The SP700 has the ability to perform a timed ambient CO test using the TPI View app.

1. Turn on the SP700 and open the View app. Connect the SP700 to the app as outlined in 'Operation' earlier.
2. Tap on 'Ambient CO' and the ambient CO test screen will display. The default time for the test is 15 minutes. This can be adjusted from 1 minute to 60 minutes by tapping on the time drop down menu.
3. Once the timer has been set, place the SP700 in the area being tested. Tap on 'Start Test' and the countdown timer will begin.
4. Once the timer reaches zero, the app will display 'Completed' indicating the test is finished. The Minimum, Maximum, and Average CO readings measured during the test period will be displayed.
5. A report can be saved, emailed, or printed on the optional A740BT printer.

DATA LOGGING

The SP700 has the ability to log readings with a time and date stamp. The maximum number of readings that can be logged is 10,000.

1. Connect to the SP700 as outlined earlier.
2. Select 'Logger' in the View App.
3. Set the logging interval in minutes/seconds and the end time and date.
4. Tap on 'Start Logging' and the SP700 will begin logging data.
5. The View app can be disconnected from the SP700 and logging will continue until the end time is reached or the View app is reconnected and logging is stopped. When the SP700 is in logging mode and disconnected from the View app, the SP700 LED will blink green and orange.
6. Once logging has been stopped or ended, logged data can be retrieved using the View app.

LED INDICATOR

The SP700 uses a multi-colored LED to indicate operational status.

Orange blinking LED – SP700 is on and ready to connect to the smart device

Green blinking LED – SP700 is connected to a smart device

Red blinking LED – Batteries need to be replaced

Orange and **Green** blinking LED – Data logging active and SP700 is not connected to the app.

AUTO POWER OFF

If the SP700 is not connected to a smart device for more than 8 minutes it will auto power off. When connected to a smart device the auto power off is disabled. Auto power off is also disabled during data logging.

GENERAL MAINTENANCE

Housing: The SP700 can be wiped down with a damp lint-free cloth. Do not use any cleaning agents including solvent or soap.

Battery Replacement: When the LED indicator blinks Red the batteries need to be replaced.

1. Turn the SP700 off. Loosen the battery cover screw and open the cover.
2. Remove the three AAA batteries from the battery holder.
3. Install three new AAA alkaline batteries into the holder observing correct polarity.
4. Install the battery cover and tighten the screw. Do not overtighten.



SPECIFICATIONS

Carbon Monoxide	Range	0 to 999 ppm
	Resolution	1 ppm
	Accuracy	+/-3% + 3 digits (at 25°C +/- 3°C)
General	Data Logging	10,000 readings in 1 sec to 59 min 59 sec intervals
	Battery Life	Approximately 200 hours
	Battery Type	AAA x 3 alkaline
	Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
	Storage Temperature	32 °F to 122 °F (0 °C to 50 °C)
	Operating Humidity	0 ~ 80 %RH
	Weight	4.52oz (128g)



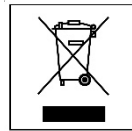
FCC ID: QOQBGM113

IC (Industry Canada) ID: 5123A-BGM113



R

209-J00204



See www.tpieurope.com for CE and UKCA Certificate of Conformity

SP700 STANDARD ACCESSORIES

A700SP – Soft Pouch for SP700

SP700 OPTIONAL ACCESSORIES

A925 – Carrying case capable of holding four smart probes

A927 – Carrying case capable of holding two smart probes

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.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

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..
Unit 6
Rutherford Way Industrial Estate
Rutherford Way
Manor Royal
Crawley
West Sussex
RH10 9LN
+44 (0) 1293 53019
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 state to state.

NOTES

Test Products International, Inc.

9615 SW Allen Blvd., Ste. 104
Beaverton, OR 97005
Tel: 503-520-9197
www.testproductsintl.com

Test Products International, Ltd.

342 Bronte Road South, Unit #6
Milton Ontario Canada L9T
5B7 Tel: 905-693-8558
www.tpicanada.com

Test Products International Europe Ltd.

Rutherford Way Industrial Estate
Rutherford Way
Manor Royal
Crawley
West Sussex
RH10 9LN
www.tpieurope.com