

The "Smart" Choice when it comes to Flue Gas Analysis & Testing Solutions





















2024 HVAC/R Instrument Catalogue

www.tpieurope.com | +44 (0) 1293 530196 | sales@tpieurope.com

Contents

	Contents
Page 3	Why TPI?
Page 4	Smart Instrument Range Overview
Page 5	TPI View app
Page 6	TPI View app (cont.)
Page 7	DC711 Overview
Page 8	DC711 Traditional
Page 9	DC711 Traditional & View Enabled
Page 10	DC711 Kits & Upgrades
Page 11	DC710 Overview
Page 12	DC710 Kits
Page 13	DC710CPA1 Kit
Page 14	709R Traditional FGA Features & Kits
Page 15	Essential Accompanying Kit Options
Page 16	Flue Gas Analyser Spares
Page 17	Flue Gas Analyser Accessories
Page 18	Smart Pressure, Temperature & Ambient CO2
Page 19	Smart Tightness Test & Temperature Kits
Page 20	Smart Airflow & Velocity Meters & Kits
Page 21	Smart Ambient CO, Temperature & Humidity
Page 22	Smart Pipe Clamp Temperature & High Pressure
Page 23	Smart Refrigeration Test Kits
Page 24	Ambient Air Monitors
Page 25	Gas Sniffers
Page 26	Manometers
Page 27	High Pressure Manometers & Kits
Page 28	Tightness Test Kits
Page 29	Pocket Thermometers
Page 30	Infra Red Thermometers
Page 31	Temperature Testers & Probes
Page 32	Legionnaires Temperature Kits
Page 33	Legionnaires & Flow Return Temperature Kits
Page 34	Vacuum
Page 35	Refrigeration Leak Detectors
Page 36	Volt Sticks, Single Button DMM & Test Leads
Page 37	Digital Multimeters
Page 38	Digital Clampmeters & Amp Adaptors
Page 39	Speciality Testers
Back Page	TPI - At Your Service

Test Products International (TPI) Europe Ltd

are manufacturers and suppliers of a vast range of quality hand-held test and measurement instruments for Domestic &

Commercial/Industrial applications, with over 100 products in the range including Flue Gas Analysers, Gas Leak Detectors, Digital Manometers, Multi-Meters, Temperature Measurement, IAQ and Industrial Vibration Meters.

TPI are equipped to provide the right product at the right price with continuous on-going support for years to come.

Excellent prices, dedicated after sales support and low calibration costs set TPI apart from their competitors.

- In-House industry & legislative driven innovative design
- 100+ products covering a vast array of applications
- UK based life-long service & back-up support
- Robust & reliable products
- Minimum 3 year warranty up to 12 years on the
- Excellent customer & distributor support
- Suppliers to large Blue Chip companies





trusted and relied upon, around the world, by class leading organisations.



Pressure
UK Timed
Tightness and
Working
Pressure
Tests

Ambient
CO2
CMDDA1
COMCAT
Commercial
Kitchens



Temperature
Flow &
Return and
Legionnella
Temperature
Testing

Airflow
Ventilation
Air Speed,
Exhaust Grills
&
Fume Hoods

Flue Gas Analysis - Use for BS7967 to View "LIVE" GPS tagged, Colour coded, Flue Gas readings on you smartphone or tablet ready to be Saved, E-mailed and Printed

10 Reasons why the DC710 Bluetooth™ Flue Gas Analyser & accompanying range of Bluetooth™ Probes are the "SMART" choice for Professional Gas Engineers.....

- 1. Flue Gas Analyser upgrade kit from as low as £340
- 2. Smart Probes from as low as £65
- 3. Integration into existing Job Management software meaning engineers don't need to learn new systems
- 4. Colour coded "In Spec" highlighted readings showing engineers quickly if a readings is good or bad
- 5. Helps reduce "Call-Backs" due to Human Error as ALL readings are transferred electronically and can't be altered
- 6. Colour coded alert for Next Calibration Due Date, helping you stay compliant with Gas Safe Register
- 7. Use for **BS7967** & **BS EN50543** (formally BS8494) with **GPS tagged** reports which can be e-mailed to multiple recipients, giving you peace of mind that the Job was completed **WHEN & WHERE** it was meant to be
- 8. ALL reports in one place for ease of documentation
- 9. Proven "Water Stop" technology in sampling probe & High Range 10,000ppm CO sensor to help keep the FGA in the field for longer, reducing unnecessary downtime
- 10. UK design & back-up with industry leading annual service charge at £95 per FGA



The FREE App.







Seeing is believing when it comes to how easy the TPI View app makes the most demanding of tasks seem effortless.

As simple as 1, 2, 3

1. Connect Device

2. View Readings

3. Create Report



Simply Click to Choose the Instrument you want to use

See a multitude of "LIVE" colour coded Tests and Results on your High Resolution Smart Phone or Tablet



SP620 Report

Reference: Let By Tightness

- Stabilisation Period
Start Date/Time: 09/01/2019 16:06:23
P1 Start: 20.04 mBar
Diff (P2-P1): -0.02 mBar
Elapsed: 60 s
End Date/Time: 09/01/2019 16:07:33

- Tightness Test
Start Date/Time: 09/01/2019 16:07:39
P1 Start: 19.94 mBar
P2 Finish: 19.92 mBar
P2 Finish: 19.92 mBar
Diff (P2-P1): -0.02 mBar
Elapsed: 120 s
End Date/Time: 09/01/2019 16:09:39

51'6'42.262'N 0"11'8.356'W
Estimated Accuracy 18 metres
App Location: UK

EDIT REF

SAVE TO JOB

■ BACK

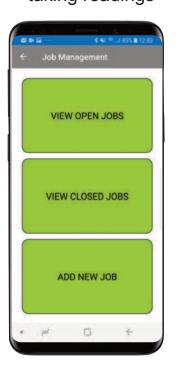
EMAIL

Every report created is colour coded with Date, Time & GPS Location

Then easily Print, Email and/or Save using the in-built Job Management -The choice is Yours!!

Job Management allows you to create multiple JOBS and attach multiple REPORTS from different Smart Instruments to each JOB

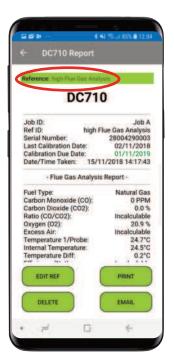
Create JOBS before, or after, you start taking readings



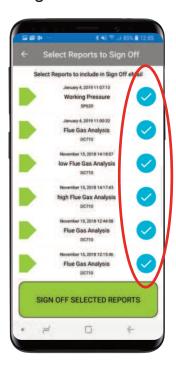
Add New Reports or View already Attached Reports



Give each report a different reference/name



Choose which reports to e-mail as you sign off the JOB



Save to a JOB, Print or E-mail or ALL 3 - the choice is Yours!!



Customer's signature which will appear on ALL reports



Save to an existing JOB or Create a NEW one



All reports are PDFs with Signatures, Date, Time & GPS



The SMART analyser that works Traditionally, OR with the FREE, Subscription FREE, TPI View app. The choice is YOURS, now or in the future!!





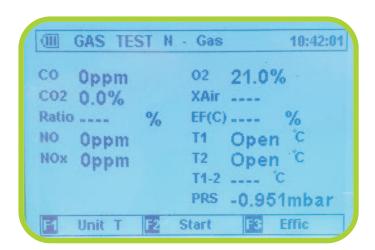
- Easy to Use, Durable & Affordable!!
- Domestic or Commercial
- Upgradeable to include NOx sensor
- Upgradeable to include High CO sensor
- Multiple Fuel Options
- Hold, Save, Print & Send
- Clear, Easy to Read Screen
- Easy to Navigate Menu System
- Pressure & Tightness Test feature
- Differential Temperature for Flow & Return or Radiator Balancing

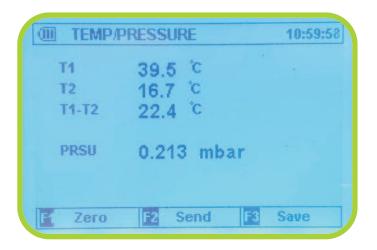
To View....or NOT to View..?? that is the question!!

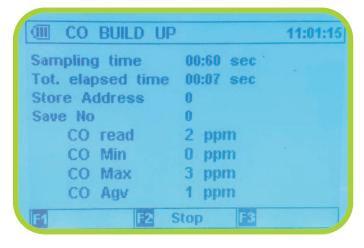


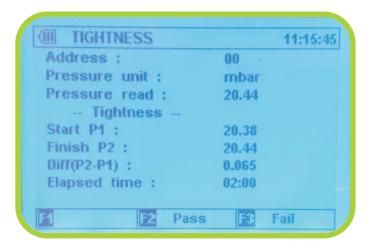


The DC711-kit / DC711-kit 1 will NOT connect to the TPI VIEW App BUT it can be upgraded by returning the DC711 to the TPI service centre when required*









^{*}Upgrade cost to enable View Connectivity is £75 plus VAT and shipping charges.



*smart phone not included

1000

DC711-View Kit 1 £770 exc. VAT



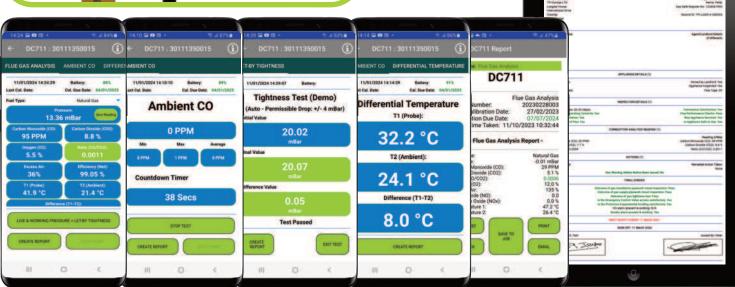














Kits

DC711 Kit	DC711 Analyser, Probe & Charger in Padded Carry Case	£555
DC711 Kit 1	As DC711 Kit PLUS A741BT Wireless Printer £69	
DC711-View Kit	View enabled Analyser, Probe & Charger in Padded Carry Case	
DC711-View Kit 1	As DC711-View Kit PLUS A741BT Wireless Printer	£770

Upgrades

DC711-HCO	Add High CO (replacement for standard CO)	£150
DC711-NO	Add NOx (in addition to O2 and CO sensors) £250	
BP1-Up	Replace standard Padded Carry Case for Multi-Purpose, Multi Tool Back Pack	
View-Up	Upgrade cost to enable VIEW app remote connectivity £75	

DC710 Smart Flue Gas Analyser

Annual service/recertification ONLY

11 Fuels inc.
Natural Gas,
LPG, Light &
Heavy Oil, Wood
Pellet, Biomass
& Solid Fuels



Works with
Apple &
Android

App Store

Google Play

Use with most
existing TPI
accessories
such as
Temperature &
Sampling Probes

- Measures CO & O2 and View app calculates CO2, Ratio & Efficiency
- Measures Dual Temperatures for Flow & Return or Radiator Balancing
- Use for BS7967
- Full Kit & Pressure Kit comes complete with TPI's Water Stop Filter Probe
- 10,000ppm over-range CO sensor to help avoid saturation & potential unnecessary downtime
- Works on Light or Heavy Oil, Wood Pellet/Biomass or LPG in addition to Natural Gas & H2 Ready
- Annual service/recertification ONLY £95
- USB Charging with Charging Symbol & Low Battery indicators
- In-Built Magnet for Safe Housing on Appliances
- In-Built Hanging Hook where Magnets won't work
- Robust design with Protective Rubber End Caps
- Designed to be able to integrate with existing Job Management apps
- Designed to be able to integrate into existing PC based programs

We'll be happy to discuss how we can populate the readings into your existing systems.





7bi

Use with your existing TPI Probe, CarryCase & most accessories. Comes complete with: -

- DC710

 Bluetooth™ enabled FGA
- USB charger cable & universal plug
- Protective Rubber End Caps
- GK11M Air Temperature Probe
- A763 Mini In-Line Pump Protection Filter



Download the FREE TPI View app and you are good to GO!!



Use with most of your existing TPI accessories. Comes complete with: -

- DC710

 Bluetooth™ enabled FGA
- USB charger cable & universal plug
- Protective Rubber End Caps
- GK11M Temperature Air Probe
- A763 Mini In-Line Pump Protection Filter
- A770 Water Stop Sampling Probe
- A787 CarryCase

Download the FREE TPI View app and you are good to GO!!

Pressure Kit £490

Use with most of your existing TPI accessories. Comes complete with: -

- USB charger cable & universal plug
- Protective Rubber End Caps
- GK11M Temperature Air Probe
- A763 Mini In-Line Pump Protection Filter
- A770 Water Stop Sampling Probe
- A787 CarryCase
- SP620 Dual Input Manometer

Download the FREE TPI View app and you are good to GO!!

The SMART CPA1 Analyser Kit



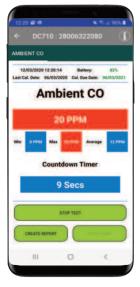
Use with most of your existing TPI accessories. Comes complete with: -

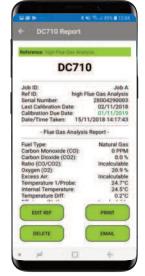
- DC710
 Bluetooth[™]enabled FGA
- USB charger cable & universal plug
- Protective Rubber End Caps
- GK11M Temperature Air Probe
- A787 CarryCase

- A763 Mini In-Line Pump Protection Filter
- A770 Water Stop Sampling Probe
- CPK3 CPA1 Probe Kit
- SP620 Dual Input Manometer
- CK21M/Pair Temperature Pipe Clamps













- 10,000ppm CO Sensor
- 11 Fuel settings
- Dual Pressure
- Dual Temperature
- In-Line Large Water Trap
- · Diagnostic Software
- Measure O2, CO & Temp
- Calculates CO2, Ratio and Efficiency



Contact TPI Europe Ltd for FULL Written Terms & Conditions

Kit	Analyser, Probe & Charger in Padded Carry Case	£420 _{exc. VAT}
Kit 1	As Kit PLUS Infra Red Printer	£555 _{exc. VAT}



- Combustion Efficiency: Measure O2, CO, & flue temperature.
 Calculate efficiency, excess air, CO2 & (CO/CO2) Ratio.
- CO Analyser: Measure carbon monoxide in ambient air.
- Differential Manometer: +/- 150 mBar (0.01 mBar resolution)
 Great for Let By/Tightness or Working Pressure Testing
- Differential Thermometer: Dual input for differential temperatures
 Ideal for Measuring & Recording Flow & Return Temperatures

Choose from a range of complimentary instruments & accessories to build you own kit



608BT
105
Bluetooth™
Digital
Manometer

- Works with TPI View to perform, save, e-mail & print UK Let-By/Tightness & Working Pressure Tests
- Magnets & Hanging Hook
- +/- 150 mBar range
- 0.01 mBar resolution



Pocket Gas Sniffer

- Detect & Trace combustible gas leaks
- Flexible neck for hard to reach areas
- 40ppm sensitivity

725L

 Easy to use, single button w/ Visual & Audible Indicators



AC Volt
Alert Tester
Stick

- Non-Contact
- 50 to 1,000 Volts
- Audible & Visual Indicators
- Determine the presence or absence of AC voltage without disconnecting the system in question



IR Close Focus Temperature

- Non-Contact Thermometer
- -22°C to 120°C range
- Measure surface temperature without contacting with the surface
- Data hold, Min/Max & Scan
- Pocket size with carrystrap



CPA1 Probe Kit

- Use on a range of open flued, room sealed and flueless appliances
- Use to sample combustion products from cookers, grills and flueless appliances as described in BS7967:2005



Pipe
Temperature
Probe

- Works with the DC710 Kits and SP341 Kits
- Jaw Opening suitable for Pipes up to 22m
- -50°C to 250°C range
- 1 metre coiled cable length w/ "K" type sub-mini connector

For the FULL range of TPI solutions & Accessories visit: -

www.tpieurope.com



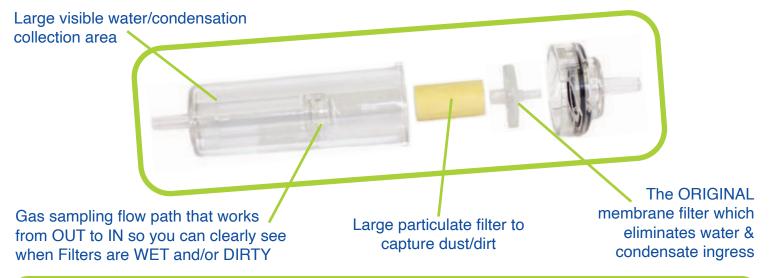
A770-A Angled Sampling Probe

- Angled for insertion into hard to reach flue test points
- Comes with A796 Water Stop Filtration System as used on ALL TPI FGAs for over 8 years
- Use with DC710 Kits

Flue Gas Analyser Spares

Water Stop External Filtration System supplied as Standard across all TPI Flue

Gas Analyser Kits and proven over the past 10+ YEARS to protect the unit from both particulates & water/condensate ingress reducing unnecessary downtime and unexpected, potentially expensive, bills outside of warranty & servicing schedule.



Service, Calibration & Repairs carried out within our UK facility by knowledgeable, competent and fully trained engineers. With a quick turnaround and the facility to either return your TPI instrument direct through our traceable customer portal or through a merchant......the flexibility is yours!!!!

Call our Technical Helpline on 01293 530196 for further details.





A740

Infra Red Printer

- Works with the 709R, 712, 717R & 716
- Battery Operated
- Self Test Facility
- Adjustable Contrast
- Manual Paper Feed



A746

Replacement **Paper Rolls** (Pack of 10)

Replacement Paper Rolls that fit both the A740 IR Printer and the A740BT Bluetooth Printer



Smoke Pump

Use the A788 Smoke Pump to check the Flue against the Smoke Test Scale Papers to establish the scale of cleaning before Flue Gas Analysis is carried out....



A125

Magnetic **Hanging Boot Hook**

Use the magnetic hanging boot hook to fit with the protective boot for hands free use for the 709R and 716 or various Digital Multimeters



CPK3 exc. VAT

CPA₁ **Probe** Kit

- Use on a range of open flued, room sealed and flueless appliances
- Use to sample combustion products from cookers, grills and flueless appliances as described in BS7967:2005



CK21M/Pair Pair of Pipe

Temperature Probes

- Works with the 709R, DC710 Kits and SP341 Kits
- Jaw Opening suitable for Pipes up to 22m
- -50°C to 250°C range
- 1 metre coiled cable length w/ "K" type sub-mini connector



Straight Sampling **Probe**

- Straight probe with Industry Standard 250mm Stem
- Comes with A796 Water Stop Filtration System as used on ALL TPI FGAs for over 8 years
- Use with DC710 Kits



A770-A

Angled Sampling **Probe**

- Angled for insertion into hard to reach flue test points
- Comes with A796 Water Stop Filtration System as used on ALL TPI FGAs for over 8 years
- Use with DC710 Kits

18 Smart Pressure, Temperature & Ambient CO2

SP620 **Bluetooth**Dual

Pressure

£80

exc. VAT



Use with the **FREE** TPI View app: -

- View "LIVE" Pressure Readings
- Save, e-mail and/or Print colour coded "Working" Pressure Results
- Perform, Save, e-mail and/or Print colour coded FULL UK Let/By Tightness Test Results
- Store ALL and ANY Test Results within the JOB Management
- +/- 150 mBar range
- 0.01 mBar resolution

SP341 *** Bluetooth**Single

Temperature

£65



Use with the **FREE** TPI View app: -

- Use with ANY "K" type probe(s) fitted with sub-mini connector(s)
- View "LIVE" Temperature Readings
- Save, e-mail and/or Print Differential Temperature Results
- Use for Legionella Temperature Testing or Flow & Return Temperatures etc....
- Store ALL and ANY Test Results within the JOB Management
- -50 °C ~ 1350 °C range

SP1000 *** Bluetooth**™ Ambient CO2

£215

exc. VAT



Use with the **FREE** TPI View app: -

- View "LIVE" Ambient CO2 Readings
- Save, e-mail and/or Print "Live" Ambient CO2 readings
- Perform, Save, e-mail and/or Print TIMED Ambient CO2 Test Results
- Use for CMDDA1, COMCAT and/or Commercial Kitchen environments
- Store ALL and ANY Test Results within the JOB Management
- 0 ~ 6,000 ppm range



Smart Tightness Test Kit

Comes complete with: -

- SP620

 Bluetooth™ enabled Manometer
- 725L Pocket Combustible Gas Leak Detector w/ Flexi-neck
- A900 CarryCase

Use the SP620 to perform and save the UK LetBy Tightness Test then the 725L to pinpoint any leaks if necessary



Immersion Temperature Kit

Comes complete with: -

- FK13M Immersion Probe
- A341SP Pouch

Use the FK13M for measuring Water Temperatures. Store ALL and ANY Test Results within the JOB Management



Ambient Air Temperature Kit

Comes complete with: -

- SP341 **Bluetooth**™ Thermometer
- GK15M Air Probe
- A341SP Pouch

Use the GK15M for measuring Vent Temperatures. Store ALL and ANY Test Results within the JOB Management



Legionnaires Temperature Kit

Comes complete with: -

- FK13M Immersion Probe
- CK15M Surface Probe
- A926 Zipper Case

Use the FK13M for measuring Water Temperatures and the CK15M for Surfaces. Store ALL and ANY Test Results within the JOB Management



280



Use with the **FREE** TPI View app to:

- View "LIVE" air velocity and temperature readings simultaneously
- Automatically calculates and displays CFM through the View app
- Multiple measuring units: m/s, km/h, ft/min, knots, mile/h
- Record minimum, maximum & average
- Create unique reports & e-mail
- Air Velocity: 98 to 4900 fpm;
 0.5 to 25 m/s
- Temperature: -20°C to 60°C



Use with the **FREE** TPI View app to:

- View "LIVE" air velocity and temperature readings simultaneously
- Automatically calculates and displays CFM through the View app
- Multiple measuring units: m/s, km/h, ft/min, knots, mile/h
- Record minimum, maximum & average
- Create unique reports & e-mail
- Air Velocity: 40 to 3900 fpm;
 0.2 to 20 m/s
- Temperature: -20°C to 60°C



£80

DC580C3

**Bluetooth™

Hotwire & Vane
Velocity Meter

£215

Measure air velocity and temperature simultaneously.

Field replaceable hot-wire and vane probes.

Ideal for in-duct traversing; automatically calculates CFM.



In-duct Hot-wire Traverse

Easily input duct shape & size, and free air. The DC580 then automatically calculates CFM by averaging multiple test points along a traverse. The telescoping hotwire probe with etched ruling and flat edge make it simple to complete the duct traverse.

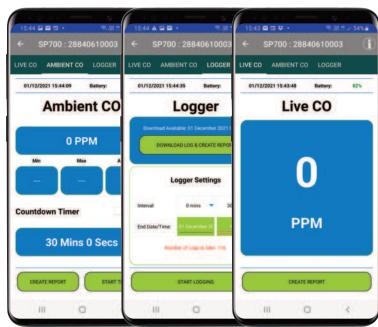
Vane Probe Accuracy

The size of the DC580 vane probe ensures accurate measurement of air velocity and temperature. Smaller vanes rotate erratically or stop spinning when air turbulence is encountered. This probe is ideal for troubleshooting at air vents and registers.



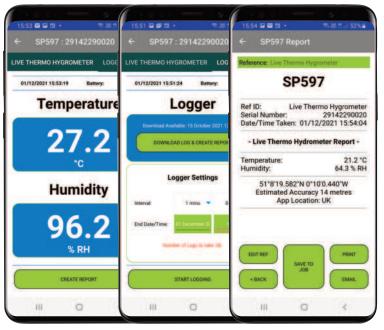
Collect and communicate data with FREE smartphone app.





- View "LIVE" Ambient CO Readings
- Save, e-mail and/or Print "Live" Ambient CO readings
- Perform, Save, e-mail and/or Print TIMED Ambient CO Test Results
- Remote Data Logging Function with Multiple instruments logging at the same time
- Monitor multiple rooms simultaneously
- Store ALL and ANY GPS tagged Test Results within the JOB Management
- Confirm Proper Operation of Alarming CO Detectors in Households
- 0 ~ 999 ppm range in 1 ppm increments





- View "LIVE" Temperature & Humidity Readings
- Save, e-mail and/or Print Temperature & Humidity readings rooms & ducts
- Ideal for checking air conditioning system humidifiers
- Remote Data Logging Function with Multiple instruments logging at the same time
- Store ALL and ANY GPS tagged Test Results within the JOB Management
- \bullet -20 \sim +60 °C (-4 \sim +140 °F) Temperature range
- 0 to 100% Humidity range

22 Smart Pipe Clamp Temperature - High Pressure





- View "LIVE" Temperature Readings and instantly Save, e-mail and/or Print them
- Save, e-mail and/or Print "Differential" Temperature readings with either a Single Pipe Clamp or a Pair of them
- Perform, Save, e-mail and/or Print differential temperature readings such as Radiator Balancing or Flow & Return on Boilers or Heat Pumps
- Remote Data Logging Function with Multiple instruments logging at the same time
- Store ALL and ANY GPS tagged Test Results within the JOB Management
- -40 \sim +85 °C (-40 \sim +185 °F) range with Jaw opening up to 38mm (1^{1/2}")





- View "LIVE" High Pressure readings
- Save, e-mail and/or Print Pressure readings with GPS tagged Date & Time on Report
- Ideal for checking for compressor leaks
- Perform Superheat & Subcool Refrigerant Calculations when paired with SP323 Probes
- Store ALL and ANY GPS tagged Test Results within the JOB Management
- -1 ~ +60 Bar (-14.7 ~ +870 PSI) Pressure range

Refrigeration Test Kit

£335

Kit comprises of:2 each SP323 Temperature
Pipe Clamps
and
2 each SP670 High Pressure
Refrigeration Probes



SPCHKITDLX

BluetoothRefrigeration
Deluxe Test Kit

£525

Kit comprises of:2 each SP323 Temperature
Pipe Clamps
and
2 each SP670 High Pressure
Refrigeration Probes
and
2 each SP597 Temperature &
Humidity Probes





The FREE App.







Carbon Monoxide (CO) Ambient Air Monitor

770 £160

- 0 to 999 ppm in 1 ppm increments
- Visual & Audible (user settable) alarm
- Displays MAXIMUM
 CO & time elapsed
 (hours & minutes) since
 power on



Carbon Monoxide (CO) Personal Monitor

777 £125

- STEL and TWA Alarms
- Visual & Audible alarm
- 0 to 1,000 ppm in 1 ppm increments
- Always ON
- ONE Button Operation



Carbon Dioxide (CO2) & Carbon Monoxide (CO) Ambient Air Monitor

1010a £**700**



- Direct CO2 measurement for CMDDA1 & COMCAT.
- Measure Ambient CO & CO2 levels in work & office spaces simultaneously to avoid having to carry 2 separate instruments
- Measure Temperature & Humidity at the same time
- Displays 4 readings on Large Easy to Read Backlit LCD Screen
- Log up to 1,000 readings in intervals of between 1 & 60 minutes
- Works with TPI A740 IR Printer

Combination
Ambient CO
Monitor & Gas Leak
Detector

775 £**240**



- Combination instrument avoids the need to carry 2 instruments
- CO: 0 to 2,000 ppm
- Same great features as TPI 770
- Gas: 50 ppm Sensitivity to Methane
- Use the combustible gas leak sensor & adjustable tic rate, for pinpointing gas leaks, if necessary, after performing a Tightness Test
- Visual & Audible (user settable) alarm
- Backlight for working in badly lit areas
- Trace for gas leaks where pipework is enclosed or not visible

Pocket Gas Sniffer c/w Flexi-Neck

725L £45

- 40 ppm Sensitivity
- 185mm Flexible Neck
- Detect all combustible gases
- Zero background levels to pin-point leaks



Pocket Gas Sniffer

725a £45

- 40 ppm Sensitivity
- Detect gases including natural gas, methane, propane (LPG), gasoline, diesel etc....
- 4 Visual & Audible Alarm Levels





Combustible Gas Leak Detector with ppm and % LEL Display

721 £160

- 10 ppm Sensitivity
- Switch between ppm or % LEL to better determine the level of gas present
- 2 Line Backlit Display with Bargraph for easy viewing
- 16" gooseneck for hard to reach areas
- Optional earphone attachment
- Visual & Audible alarm
- Detect combustible gases including natural gas methane, propane (LPG), gasoline, diesel, kerosene, etc....



719 £**80**

- 30 ppm Sensitivity
- 16" gooseneck for hard to reach areas
- Adjustable tic rate with Side Wheel, for pinpointing gas
- Visual & Audible alarm
- Optional earphone attachment

Gas Leak Sniffer

720b £105

- 10 ppm Sensitivity
- 16" gooseneck for hard to reach areas
- Adjustable tic rate with Front Thumbwheel, for pinpointing gas
- Visual & Audible alarm
- Optional earphone attachment





Bluetooth™ Digital Manometer

SP620 £**80**

- Works with TPI View to perform, save, e-mail & print UK Let-By/Tightness & Working Pressure Tests
- Magnetic backcase
- +/- 150 mBar range
- 0.01 mBar resolution



Вluetooth™ Digital Manometer

608BT £**105**

- Works with TPI View to perform, save, e-mail & print UK Let-By/Tightness & Working Pressure Tests
- Magnets & Hanging Hook
- +/- 150 mBar range
- 0.01 mBar resolution
- One Touch Zero



STORY OF THE PROPERTY OF THE P

Dual Input Differential Digital Manometer

621 £**150**

- Perform UK Let-By Tightness & Working Pressure Tests
- +/- 300 mBar range
- 0.01 mBar resolution
- Protective Rubber Boot with Tilt Stand for Hands Free Use
- One Touch Zero
- Smoothing function for fluctuating readings
- Backlight for dark areas
- 7 Units of measure (mbar, kPa, PSI, mmHg, inHg, mmH2O, inH2O)

Digital Manomete

Zoi

Digital Manometer

608 **£85**

- Perform UK Let-By Tightness & Working Pressure Tests
- Magnets & Hanging Hook for Hands Free Use
- +/- 150 mBar range
- 0.01 mBar resolution
- One Touch Zero



High Resolution Manometer

623 1**95**

- 0.001 mBar resolution up to +/- 9.999 mBar
- ±100 mBar range
- Check for positive building pressure
- Perform room to room pressure diagnostics
- Test duct pressure & static pressure checks



High Pressure 100 PSI (7 Bar) Dual Input Differential Data Logging Digital Manometer inc. Liquid Option



- 1/4" NPT fittings for high pressure
- Data logging: Record up to 16 sets of readings, each with time stamp
- PC Communication: Display saved readings with optional (A665) software & docking station (supplied as Standard in Kit options)
- Range: ± 100 PSI (7 Bar)
- 0.01 (0.001 Bar) resolution
- Accuracy: 0.2% of Full Scale
- Seven units of measure (inH20, Bar, KPa, PSI, mmHg, mmH20, inHg)
- Supplied in protective boot (A614) c/w magnets for hands free use.
- Display: 5 digit, Dual Line with Backlight
- Auto Power Off after 20 minutes (can/will be disabled for data logging applications)
- Use the 665L for non-corrosive water/liquid applications.
- Print test results directly using the optional IR Printer (A740)



665 £210 665-Kit £240

665L £310 665L-Kit £340



635: 5 PSI

£195

645: 30 PSI

£195

645NPT: 30 PSI

£195

- Rugged Extruded Aluminum Housing
- Measure positive, negative and differential pressure.
- Push button zero
- Seven selectable units of measure to choose from: mmHg, inHg, kPa, mBar, PSI, inH2O, and mmH2O.
- Trim or Smooth functions help stabilize readings by giving average.
- Backlight with auto shut off after 10 seconds.
- Auto power off after 30 minutes (except REC mode) saves battery life.
- Record function stores maximum and minimum readings.
- Data hold to freeze reading on LCD
- 645NPT version supplied with NPT fitting for high pressure



Smart Tightness Test Kit

Comes complete with: -

- 725L Pocket Combustible Gas Leak Detector w/ Flexi-neck
- A900 CarryCase

Use the SP620 to perform and save the UK Let By/Tightness Test then the 725L to pinpoint any leaks, if necessary

725L608 Kit £125



719608 Kit £ 160



Ultra Low Cost Tightness Test Kit

TWO great products combined in an **A900** protective carry-case with the **608** manometer designed to perform the Tightness Test and the **725L** Combustible Gas Detector, ideal for pinpointing any leaks, if necessary.

Low Cost Tightness Test Kit

TWO great products combined in an **A901CP** protective carry-case with the **608** manometer designed to perform the Tightness Test and the **719** Combustible Gas Detector, ideal for pinpointing any leaks, if necessary.



Penetration Tip: Immersion into Liquids & Semi-Solids





Penetration Tip: Immersion into Liquids & Semi-Solids

318C

Waterproof



Penetration Tip: Immersion into Liquids & Semi-Solids Swivel Head for easier viewing at hard to reach angles





All "C" version digital thermometers can be auto field calibrated in 0° C ice water to ± 1° C







Infra Red Thermometers

Close Range IR Non-Contact

368 £**22**

- IR Temperature Range:
 -22 to 120°C
- Continuously scan surface temperatures in real time
- Min/Max Function
- Fits easily into your pocket



Contact & IR Non-Contact

381a £65

- InfraRed Range: -20 to 300°C
- Contact Range:
 -100 to 1200°C
- Ideal for under-floor heating or cold spots on radiators
- 9:1 Distance to Spot Ratio



Contact & IR Non-Contact c/w Circle Laser Sighting

381b £**75**



- Circle laser sighting; The circle laser approximates the measurement area.
- Repeatable, 0.1° resolution readings ensure tests are consistently correct
- Ideal for under-floor heating or cold spots on radiators
- 9:1 Distance to Spot Ratio
- InfraRed Range:-20 to 300°C
- Contact Range:
 - -100 to 1200°C
- °C and °F selectable

Contact & IR Non-Contact

383a **£80**

- InfraRed Range: -35 to 537°C
- Contact Range: -100 to 1200°C
- WIDER IR Range for applications outside the range of the 381a
- 9:1 Distance to Spot Ratio



HIGH Range IR & Contact

384a 2**95**

- InfraRed Range:-20 to 1000°C
- Contact Range:
 -100 to 1200°C
- HIGHER IR Range for applications higher than the range of the 381a
- 9:1 Distance to Spot Ratio





343 £65

Dual Input Differential Digital Thermometer Temperature Tester

- Measure from -50 to 1,350°C depending upon the probe connected (see below for sample probes)
- Displays T1/T2/differential Scroll through to see all 3 readings inc. calculated differential
- Auto Field Calibrate in less than 10 seconds in ice water to achieve +/- 1°C system (tester & probe) accuracy within 0°C to 50°C temperature range
- Min/Max Record Function
- Data Hold for areas where it is hard to read the display
- User Selectable between °C/F at the push of a button



Surface Probe 4" Stem

Ideal for measuring radiators, flooring or any flat surfaces etc..... between -50°C & 250°C



Surface **Heavy Duty** 4" Stem

Ideal for measuring radiators, flooring or any flat surfaces etc..... between -50°C & 650°C



Surface Heavy Duty 4" Stem

Ideal for surfaces between -40°C & 510°C but with a longer stem for harder to reach areas.



Immersion Probe 4" Stem

Ideal for measuring running water, standing water etc..... between -50°C & 250°C



Immersion Heavy Duty 8" Stem

Ideal for measuring between -40°C & 850°C but with a longer stem for harder to reach areas.



Immersion Tapered Tip 11.8" Stem

Ideal for measuring between -50°C & 250°C but with an even longer stem for harder to reach areas.



Air Probe 48" Wire Lead

Ideal for measuring air temperatures between -40°C & 510°C with exposed sensor for rapid response



Air **Probe** 4" Stem

Ideal for measuring air temperatures between -50°C & 250°C with exposed sensor for rapid response



Air Probe 8" Caged **Stem**

Ideal for measuring air temperatures between -40°C & 308°C with longer stem.



SMART Legionnaires Temp Kit

Comes complete with: -

- SP341
 Bluetooth™ enabled Thermometer
- FK13M Immersion Probe
- CK15M Surface Probe
- GK41M Air Probe
- A926 Zipper Case

Use the FK13M for measuring Water Temperatures and the CK15M for Surfaces. Create Reports, then e-mail, ALL and ANY Test Results from the JOB Management using the FREE TPI View app



Legionnaires Temperature Kit

Comes complete with: -

- 343 Dual Input Digital Thermometer
- FK11M Immersion Probe
- CK11M Surface Probe
- GK11M Air Probe (x2)
- A901 Soft Carry Case

Use the FK11M for measuring Water Temperatures, the CK11M for Surfaces and the GK11M for Air. The 343 also calculates differential temperatures when using 2 probes simultaneously

What is Legionnaires' Disease?

Legionnaires' Disease is a potentially fatal form of pneumonia which can affect anybody, but which principally affects those who are susceptible because of age, illness, immunosuppression, smoking etc.

It is caused by the bacterium Legionella pneumophila and related bacteria that can be found naturally in environmental water sources such as rivers, lakes and reservoirs, usually in low numbers. As they are commonly found in environmental sources they may also be found in purpose built water systems such as cooling towers, evaporative condensers and whirlpool spas.

For further information check out the HSE link below:http://www.hse.gov.uk/legionnaires/whatis.htm



Legionnaires Temperature PLUS Kit

Comes complete with: -

- 343 Dual Input Digital Thermometer
- FK11M Immersion Probe
- CK11M Surface Probe
- GK11M Air Probe (x2)
- CK21M Pipe Clamp
- A901 Soft Carry Case

Use the FK11M for measuring Water
Temperatures, the CK11M for
Surfaces, the GK11M for Air Temperatures
and the CK21M for Pipe Temperatures.
The 343 also calculates differential
temperatures when using 2 probes
simultaneously



Flow & Return Temperature Kit

Comes complete with: -

- 343 Dual Input Digital Thermometer
- 2 x CK21M Pipe Clamp Probes
- 2 x GK11M Air Probe
- A901 Soft Carry Case

Use the 2 x CK21M Clamps for measuring Pipe Temperatures on a Flow & Return System and the 343 will calculate the differential temperatures



Heavy Duty Flow & Return Temperature Kit

Comes complete with: -

- 343 Dual Input Digital Thermometer
- 2 x CK21M Pipe Clamp Probes
- 1 x FK12M Immersion Probe 11 inch
- 2 x CK13M Heavy Duty Surface Probe
- 2 x GK11M Air Probe
- A905 Soft Carry Case

Use the 2 x CK21M Clamps for measuring Pipe Temperatures on a Flow & Return System and the FK12M for Water with the CK13M for surfaces & GK11M for Air.

Digital Vacuum Gauge

605 £**95**



- 12,000 to 15 micron measurement range with 300 PSI over pressure.
 A safer instrument for your job.
- Seven units of measure:
 Microns, PSI, InHg, mBar, Pascals,
 Torr, mTorr.
- Quick and simple operation
- Large, easy-to-read LCD
- The 605 vacuum gauge measures vacuum in Microns for accurate evacuation of refrigeration systems.
 Please follow manufacturers recommendations on all HVAC equipment.



- 12,000 to 15 micron measurement range with 300 PSI over pressure.
 A safer instrument for your job.
- Seven units of measure:
 Microns, PSI, InHg, mBar, Pascals,
 Torr, mTorr.
- Quick and simple operation
- Large, easy-to-read LCD
- The 605 vacuum gauge measures vacuum in Microns for accurate evacuation of refrigeration systems.
 Please follow manufacturers recommendations on all HVAC equipment.
- Works with FREE, subscription FREE, TPI View to perform, save, e-mail & print, test reports





The FREE App.











0.1 oz/yr Sensitivity to meet

F-Gas Regulations

- Detect all existing refrigerants & blends including 404A, PURON and R-507 (AZ50) & HFO1234YF
- One Hand Operation
- Easy to use Push Button Tick Adjust
- Hi Lo Sensitivity Settings
- Visual & Audible alarm
- Faster Response with Pump to detect newer heavier blends quickly
- 400 Hrs individual sensor life
- Pinpoint small leaks easily
- Spare sensor supplied





- 0.2 oz/yr Sensitivity
- Detect all existing refrigerants & blends including 404A, PURON and R-507 (AZ50) & HFO1234YF
- One Hand Thumbwheel Operation
- Easy to use Thumbwheel Tick Adjust to pinpoint small leaks
- Hi Lo Sensitivity Settings
- Visual & Audible alarm
- Earphone socket for noisy environments
- 400 Hrs individual sensor life
- Spare sensor supplied

AC Volt Stick Low Voltage

40 £19

- Range: 24 to 90 VAC
- Sensor glows red in the presence of AC voltage
- Determine the presence or absence of AC voltage without disconnecting the system in question.
- Lifetime Warranty

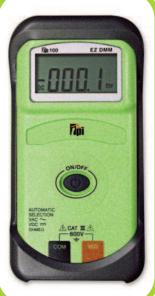


AC Volt Stick Volt Alert

> 50 £ 19

- Range: 50 to 1,000 VAC
- Audible & Visual Alarm
- Determine the presence or absence of AC voltage without disconnecting the system in question.
- Prevent Electrical Shocks





100 £42 EZ 100 Palmsize
ONE Button
On/Off Operation
Digital Multimeter

- Automatically switches between AC Volts, DC Volts, and ohms (resistance) & tells you what you have.
 Benefit: Simple to use. Meter selects function and range, just connect the leads to the device under test.
- Single button operation with NO dial for you to understand. Just switch it on and away you go.

Benefit: Easy to use. Enables users with limited knowledge to perform tests safely without fear of blowing up the meter if on the wrong setting.

- Check AC Power, DC Volts on PCBs, Fuses or Continuity (NO buzzer)
- Measure 0 600 Volts AC & DC & up to 40 Meg Ohms resistance



Silicone Test Leads

Silicone Modular Test Leads



Silicone
Test
Leads
w/ Croc
Clips



e ar £



Adaptors to convert A080 or A085 into Modular Leads & Use A057



A066
£9
exc. VAT

Croc Clips for use with A082 or A052



Standard Prods for use with A082 or A052



Back Probes for use with A082 or A052

Digital Multimeters



120 £30 exc. VAT

Palmsize c/w Continuity Buzzer

- 0 600 Volts AC & DC
- 0 2,000 Ohms Resistance
- Audible Continuity Buzzer
- Data Hold
- Protective Rubber Boot Tilt Stand
- Easy to Read LCD
- 3 Year Warranty



£37.50

Palmsize c/w Millivolts Range

- 0 600 Volts AC & DC
- 0 2,000 Ohms Resistance
- Audible Continuity Buzzer
- Data Hold
- mV range to take plug-in adaptors
- Easy to Read LCD
- 3 Year Warranty



126 £**47**

Palmsize c/w 400mA Feature

- Auto-Ranging
- 0 750 Volts AC at 1mV
- 0 1,000 Volts DC
- 0 40 Meg Ohms Resistance
- 0 400 mAmps AC/DC
- Diode Test
- Audible Continuity Buzzer
- Min/Max Record & Data Hold



133 £47

Full Size c/w 10 Amps Range

- 0 750 Volts AC at 1mV
- 0 1,000 Volts DC
- 0 20 Meg Ohms Resistance
- 0 10 Amps AC/DC
- mV range to take plug-in adaptors
- Diode Test
- Audible Continuity Buzzer

Full Size



135 **£80**

Full Size c/w Capacitance Feature

- Maximum Input: 20000µF
 Maximum Resolution: 0.01µF
- Data Hold
- Audible Continuity Buzzer
- Diode Test
- Protective Rubber Boot Tilt Stand
- 3 Year Warranty



153 £**65**

Auto Ranging

- Auto-Ranging
- 0 750 Volts AC at 1mV
- 0 1,000 Volts DC
- 0 40 Meg Ohms Resistance
- 0 10 Amps AC/DC
- Diode Test
- Audible Continuity Buzzer
- Min/Max Record & Data Hold

True RMS



183a £120 exc. VAT

True RMS c/w Triple Display

- Frequency & Capacitance
- Duty Cycle & Low Pass Filter
- Audible Continuity Buzzer
- Temperature & Diode Test
- Separate Fuse & Battery Compartment
- IR serial PC interface
- Auto-Ranging



194 £210 exc. VAT

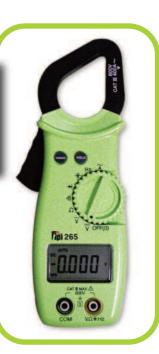
High Accuracy

- 0.05% DCV basic accuracy
- 50,000 count display
- Inductance, Frequency and Capacitance
- Data Logging
- Analog bar graph
- Backlit LCD Display
- 3 Year Warranty

AC Amps

265 **£60** exc. VAT

- AC Amps up to 400A
- DCmV for thermocouples
- AC/DC volts up to 600V
- Capacitance
- Continuity Buzzer
- Diode Test
- Auto-Ranging DMM
- Slim Jaw
- Data Hold



Low Amp Adaptor

A254 £**200**

- Plug into any DMM with mV range to measure current through the Jaw
- AC Amps: 10mA to 40A
- DC Amps: 10mA to 60A
- ±(1.5% +20mA) accuracy
- BNC connector with removable banana plug adapter

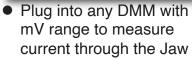


AC Amps & Temp.

270 £**100**

- AC Amps up to 400A
- DCmV for thermocouples
- AC/DC volts up to 600V
- Capacitance
- Non-Contact Volt Detector
- Temperature up to 600°C
- Auto-Ranging DMM
- Continuity Buzzer
- Diode Test





- 0-400 Amps AC & DC
- 1mV per 1A Output
- ± 1% of reading accuracy
- Dual banana plug
- 1.2 metre lead length



AC & DC Amps

275 £**110**

- 400 Amps AC & DC
- Ideal for testing current supplied from Solar PV Panels before and after the invertor.
- Non-Contact Volt Detector
- Temperature up to 600°C
- DCmV for thermocouples
- Auto-Ranging DMM
- True RMS



High Amp Adaptor

A296 £**80**

- Plug into any DMM with mV range to measure current through the Jaw
- AC Amps: 0 to 1600A
- DC Amps: 0 to 2000A
- 1mV per 1A Output

<u>Accuracy</u>

- 0-400A = ± 1% of reading
- $0-2000A = \pm 1.5\%$ of reading
- Dual banana plug



Speciality Testers



395 **£70** exc. VAT

Handheld Refractometer

- Test propylene glycol, ethylene glycol and battery fluids
- Does not degrade like litmus paper; allows for more accurate readings
- Cushioned eye piece for easy viewing
- Smooth focus adjustment for reliable repeat testing

The 395 Handheld Refractometer is designed to give an accurate reading regarding the freezing point of fluids used in hydronic heating systems. Place a drop of fluid on the prism, close the plastic lid, and look through the eye piece



390a £110

Total Dissolved Solid (TDS) and Salt Concentration Meter

- Measure Total Dissolved Solids (TDS), salt and temperature for food, water quality and HVAC maintenance.
- Prevent contamination and corrosion of control valves, heat exchangers, and steam traps
- Prevent low quality wet steam generation in boilers due to foaming caused by high TDS levels
- Reduce water and chemical consumption in boilers and cooling towers
- Test the amount of salt in food, seafood, or processed foods



397 £110

Pen Style pH Meter

- Boiler water testing for proper pH level to avoid internal material degradation
- Onsite water testing for wells and septic systems; saving lad testing time
- Quickly & easily test aquariums, spas and swimming pools for proper pH levels
- Waterproof design protects the meter
- Wide pH range of 0.10-14.00pH covers most applications
- Replaceable Glass Test Tip Electrode that screws on for ease of use
- Auto-off function turns power off automatically after 10 minutes



£105

Irradiance Solar Meter

The TPI 510 Solar Irradiance Meter displays results in either W/m2 or BTU to determine the optimal angle of inclination for siting of solar panels to achieve maximum efficiency.

- Measure light intensity through windows
- Determine the effectiveness of solar film / window tint
- 0 to 1999 W/m2 (0 to 634 BTU) range
- Min / Max and Data hold functions



TPI is able to offer a very comprehensive level of customer support. From help with product selection through to training, after sales service and instrument calibration we are proud of the service we offer.

Additionally, if you have a quantity requirement, a customisation requirement (including private labelling) or even a complete instrument design please contact us. TPI is somewhat unusual in that the vast majority of our instrumentation design is carried out in the UK by our own R&D team prior to being manufactured in a partner company's high tech factory in South Korea. This ensures that any questions you ask can be answered by the designers themselves.

Remember... with TPI you get a 3 year warranty and a lifetime of support.

2024 HVAC/R Instrument Catalogue www.tpieurope.com | +44 (0) 1293 530196 | sales@tpieurope.com