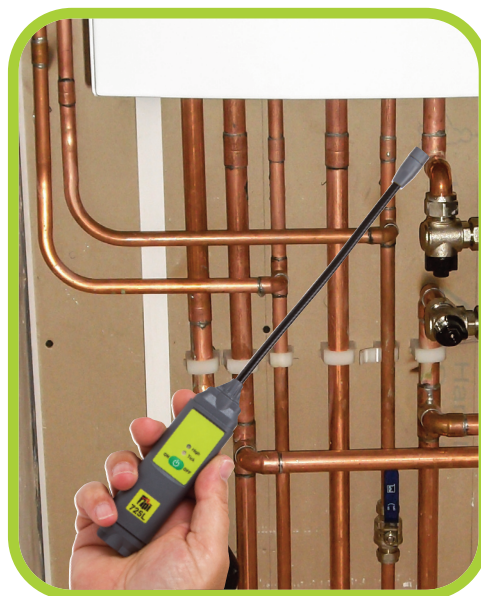




The “**Smart**” Choice when it comes to
Flue Gas Analysis & Testing Solutions



DC710
12
YEAR
WARRANTY



HVAC/R Instrument Catalogue

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

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Why TPI?

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



see tpieurope.com for t&cs



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



Lifeboats



CANCER
RESEARCH
UK



Audi



SIEMENS

Whirlpool
CORPORATION



Weetabix®



Kimberly-Clark



TARMAC
A CRH COMPANY



MARS
food



EXECUTIVE
SHIP MANAGEMENT

Smart Instrument Range Overview

Pressure
UK Timed
Tightness and
Working
Pressure
Tests

**Ambient
CO2**
CMDDA1
COMCAT
Commercial
Kitchens



Temperature
Flow &
Return and
Legionella
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 £**315**
2. Smart Probes from as low as £**55**
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



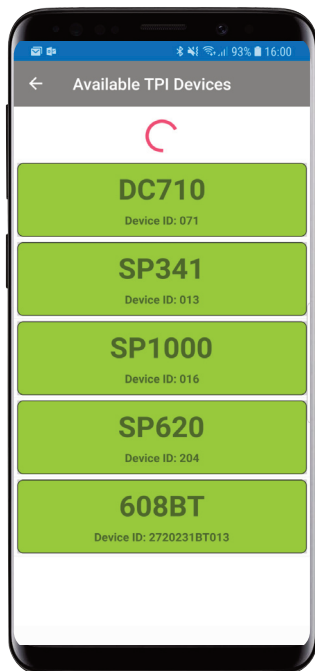
The FREE App.



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

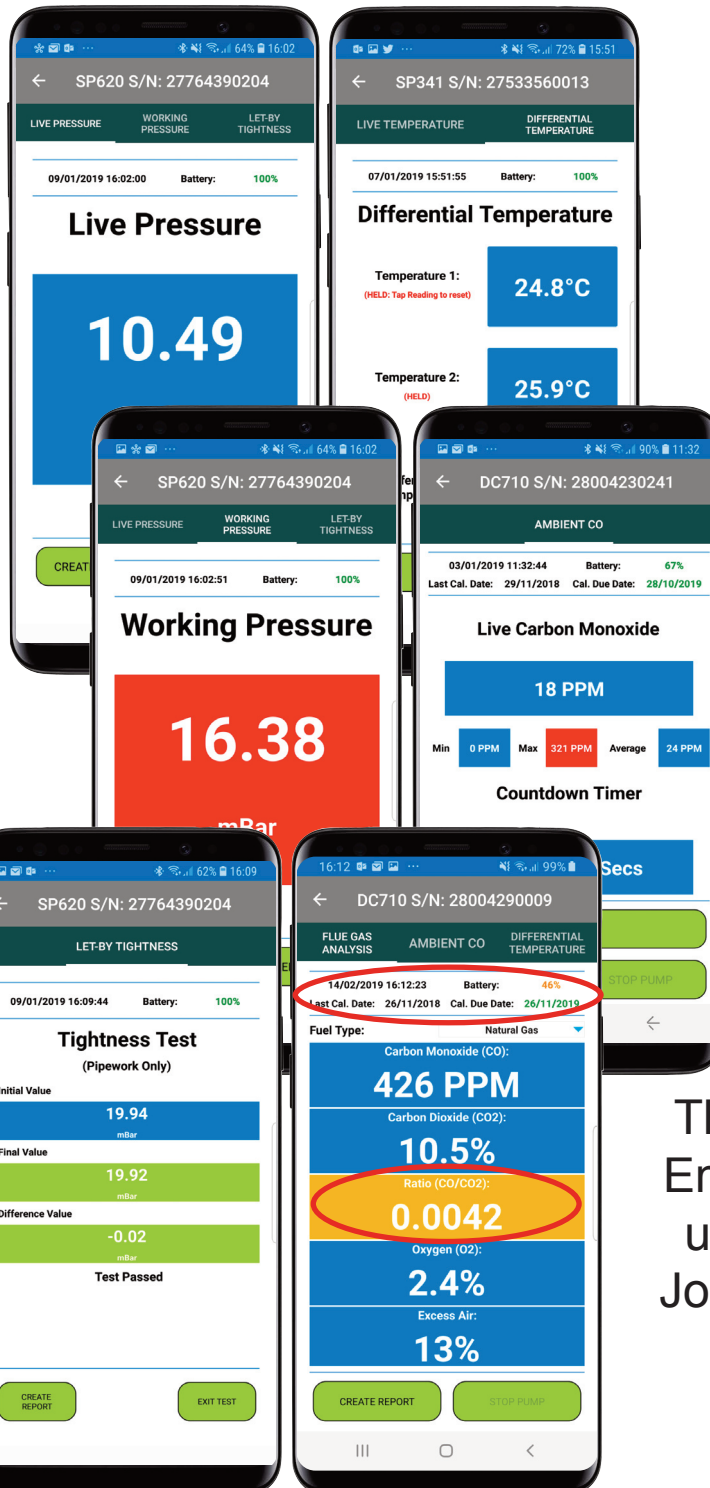
1. Connect Device



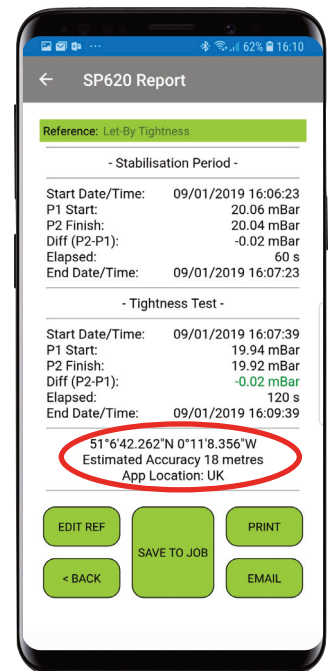
Simply Click to Choose the Instrument you want to use

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

2. View Readings



3. Create Report



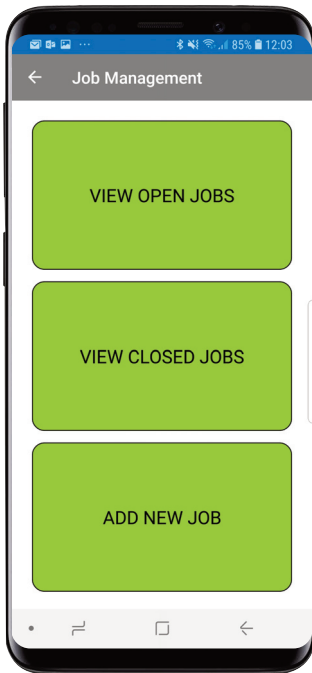
Every report created is colour coded with Date, Time & GPS Location

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

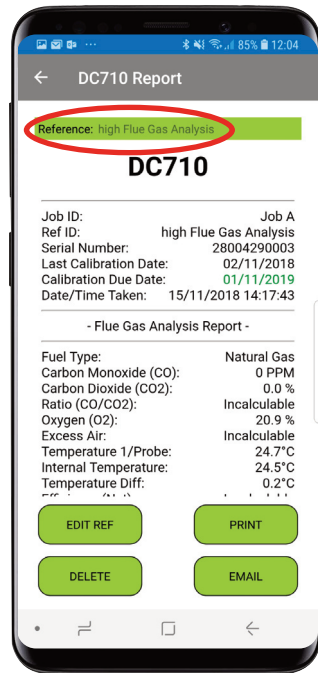
TPI View app (cont.)

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

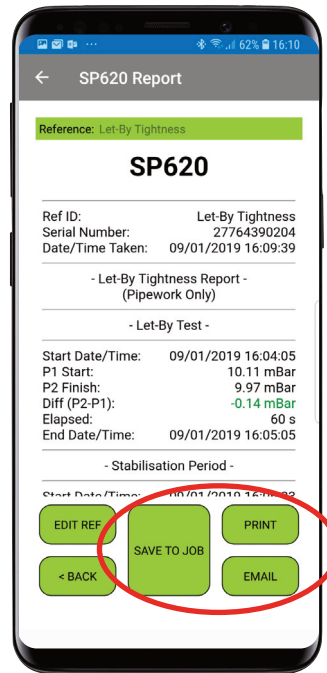
Create JOBS before, or after, you start taking readings



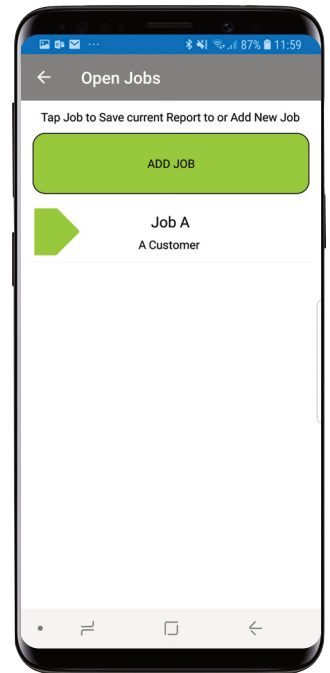
Give each report a different reference/name



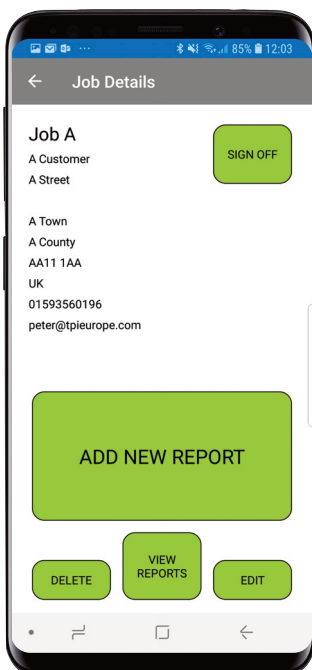
Save to a JOB, Print or E-mail or ALL 3 - the choice is Yours!!



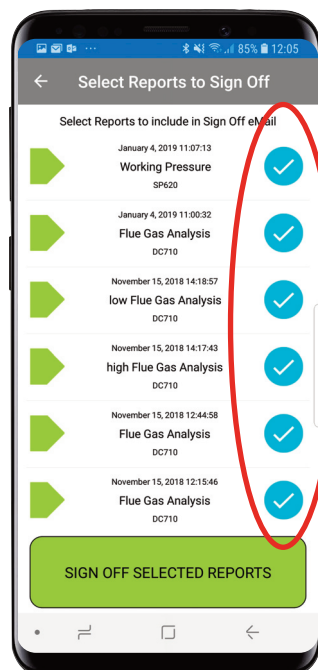
Save to an existing JOB or Create a NEW one



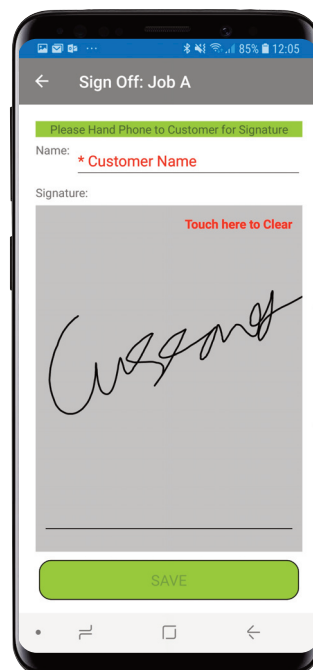
Add New Reports or View already Attached Reports



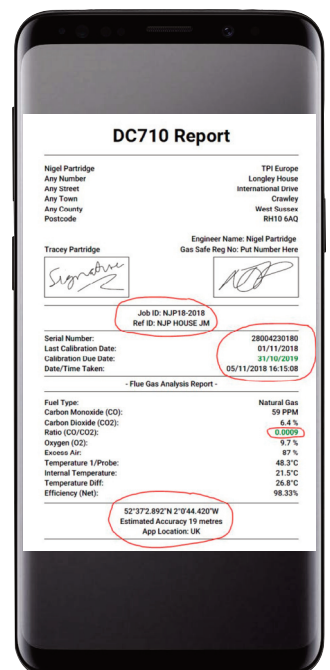
Choose which reports to e-mail as you sign off the JOB



Customer's signature which will appear on ALL reports



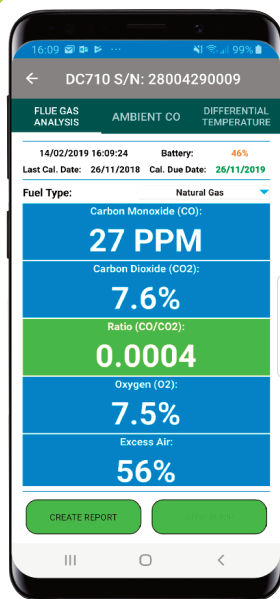
All reports are PDFs with Signatures, Date, Time & GPS



New! DC710 Smart Flue Gas Analyser

Annual
service/
recertification
ONLY
£95

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



Bluetooth™



*Smart Device
NOT Included

Works with
Apple &
Android



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
- 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
- Works with optional Bluetooth™ Printer through View app.

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

A740BT
(optional Bluetooth Printer)

£110
exc. VAT

works with DC710, and
ALL Smart Probes using
the TPI View app

Bluetooth™



DC710 Kits

DC710
Upgrade Kit
£315
exc. VAT



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!!



DC710C1
Full Kit
£370
exc. VAT



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!!

DC710C2
Pressure Kit
£445
exc. VAT



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
- SP620 Dual Input Manometer

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

SP620
 **Bluetooth™**
 Dual
 Pressure
£75
exc. VAT



TPI View

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
£55
exc. VAT



TPI View

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



TPI View

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 Probe Kits

SP620725L Kit

£125

exc. VAT



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

SP341C1

£66

exc. VAT



Immersion Temperature Kit

Comes complete with: -

- SP341 Bluetooth™ Thermometer
- FK13M Immersion Probe
- A341SP Pouch

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

SP341C2

£66

exc. VAT



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

SP341LK

£95

exc. VAT



Legionnaires Temperature Kit

Comes complete with: -

- SP341 Bluetooth™ enabled Thermometer
- 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

Accompanying Instruments

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



608BT
£100
exc. VAT

**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



725L
£40
exc. VAT

**Pocket
Gas
Sniffer**

- Detect & Trace combustible gas leaks
- Flexible neck for hard to reach areas
- 40ppm sensitivity
- Easy to use, single button w/ Visual & Audible Indicators



50
£16
exc. VAT

**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



368
£20
exc. VAT

**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



CPK3
£85
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
£15
exc. VAT

**Pipe
Temperature
Probe**

- Works with the DC710 Kits and SP341 Kits
- Jaw Opening suitable for Pipes up to 22mm
- -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
£75
exc. VAT

**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

SP565 & DC580 Air Velocity Flow Meters

SP555 Bluetooth™ Vane Velocity Meter

£75
exc. VAT



TPI
View

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

SP565 Bluetooth™ Hotwire Velocity Meter

£75
exc. VAT



TPI
View

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

DC580C3 Bluetooth™ Hotwire & Vane Velocity Meter

£200
exc. VAT



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.

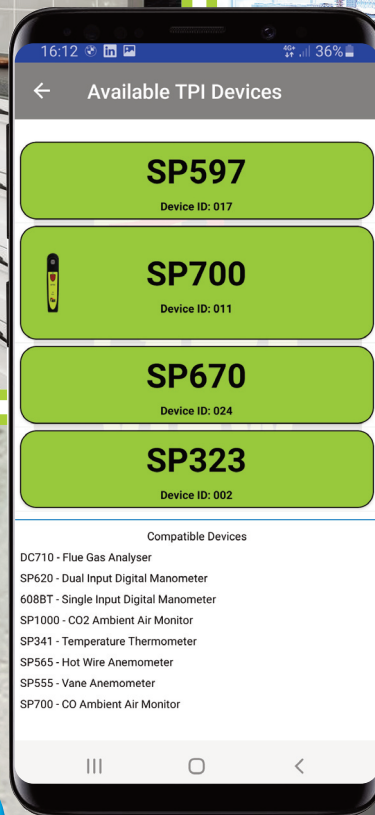
- ✓ Measure air velocity and temperature simultaneously.
- ✓ Field replaceable hot-wire and vane probes.
- ✓ Ideal for in-duct traversing; automatically calculates CFM.



Collect and communicate data with
FREE smartphone app.



The “Smart” Choice when it comes
to Test Instrument Solutions



NEW Smart Instruments & Kits

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

Ambient CO - Temperature & Humidity



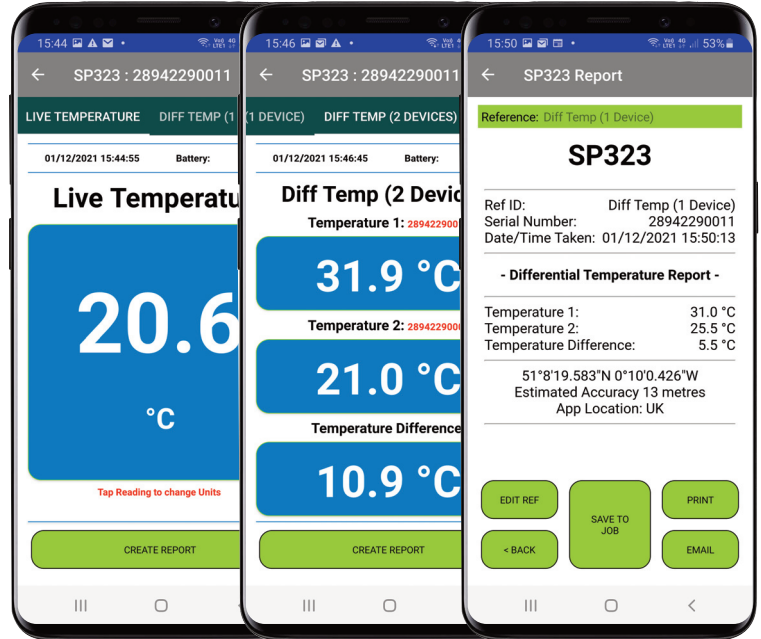
- View “LIVE” Ambient CO Readings
- Save, e-mail and/or Print “Live” Ambient CO readings
- Perform, Save, e-mail and/or Print TIMED Ambient CO Test Results
- Remote Data Logging Function with Multiple instruments logging at the same time
- Monitor multiple rooms simultaneously
- Store ALL and ANY GPS 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
- -20 ~ +60 °C (-4 ~ +140 °F) Temperature range
- 0 to 100% Humidity range

Pipe Clamp Temperature - High Pressure

SP323
Bluetooth™
Temperature
Pipe Clamp
£70 each
exc. VAT
£135 pair
exc. VAT



- 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 ~ +85 °C (-40 ~ +185 °F) range with Jaw opening up to 38mm (1 1/2”)

SP670
Bluetooth™
High
Pressure
£100 each
exc. VAT
£190 pair
exc. VAT



- 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

Refrigerant Charge Kits

SPCHKIT Bluetooth™ Refrigerant Charge Kit £335 exc. VAT

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



SPCHKITDLX Bluetooth™ Refrigerant Deluxe Charge Kit £525 exc. VAT

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



The FREE App.



Traditional FGA Range & Kit Options

**LOW
ANNUAL
Re-Certification
Costs
£95**

exc. VAT

Includes scheduled O₂ & CO sensor changes and return carriage (applies to ALL TPI FGAs supplied after 03/10/2011)

Contact TPI Europe Ltd for FULL Written Terms & Conditions



**Value for Money
& Peace of Mind**



709R

As STANDARD

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



717R

As 709R PLUS

Timed Tightness Test
Timed CO Build-Up Test
Serial No. on Print Outs
Next Cal Due on Print Outs
Next Cal Due Countdown
Integrated Magnet (717R only)



716

As 717R PLUS

Larger 8 Line Display
Company Name on Print
USB c/w PC Software
Upgrade Options
High CO Sensor
NO Sensor for NO_x
NO₂ Sensor
SO₂ Sensor
Bluetooth - TPI Stream

Kit	Analysers, Probe & Charger in Padded Carry Case	£380 exc. VAT	£425 exc. VAT	£555 exc. VAT
Kit 1	As Kit PLUS Printer	£485 exc. VAT	£530 exc. VAT	£660 exc. VAT
Kit 2	As Kit PLUS Printer & Pipe Clamps	£505 exc. VAT	£550 exc. VAT	£680 exc. VAT
Kit 3	As Kit PLUS Printer, Pipe Clamps & CPA Probe Set	£560 exc. VAT	£605 exc. VAT	£735 exc. VAT
Kit 4	As Kit PLUS Printer, Pipe Clamps & Gas Sniffer	£555 exc. VAT	£600 exc. VAT	£730 exc. VAT
Kit 5	As Kit PLUS Printer, Pipe Clamps, CPA Probe Set & Gas Sniffer	£610 exc. VAT	£655 exc. VAT	£785 exc. VAT
Kit 1 OIL	As Kit PLUS Printer, Smoke Pump & Oil Filter	£570 exc. VAT	£615 exc. VAT	£745 exc. VAT



709R & 717R Features

709R Kit
£380
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

717R Kit
£425
exc. VAT



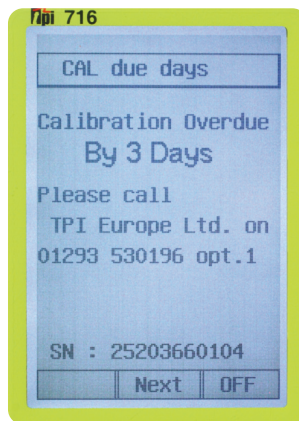
ALL the same Great Features,
Ease of Use & LOW cost
servicing as the **TPI 709R**
PLUS

- Timed Let/By & Tightness Test
- Timed CO Build-Up Room Test
- Integrated Magnet
- Calibration Due Countdown on switch on
- Serial Number on Print-Outs
- Next Calibration Due Date on Print-Outs



716 Features & Upgrade Options

716 Kit
£555
exc. VAT



Know exactly when your 716 is due back for annual service with the internally stored calibration dates and receive daily reminders, from 25 days out, along with service contact details so you can remain on the right side of the law!!



- Combustion Efficiency Analyser
- CO Analyser
- Differential Manometer

Great for Tightness/Let By or Burner Pressure Testing

- Differential Thermometer:

Ideal for Measuring & Recording Flow & Return Temperatures

- Large easy to read 4 or 8 line graphical display
- 30 Sec Countdown only when Combustion Readings need to be taken
- Enhanced Let-By & Tightness Test Software
- Intuitive Menu Driven User Interface
- CO Build-Up Test Software
- Ability to view Pressure Readings at the same time as Combustion Readings
- Large capacity pump with visible flow rate on screen
- 10,000 ppm CO Sensor
- Security locked User Changeable Company Header Details for IR Print Outs
- Data Hold, Storing & Logging

Bluetooth™ upgrade

716BT
£75
exc. VAT



*Android ONLY

716-LEAK
£52.50
exc. VAT



Plug-In Combustible Gas Sniffer

Plug in the optional Gas Sniffer & trace for gas leaks, if necessary, after performing a Tightness Test that shows a leak.

NO Sensor for Nitric Oxide
(up to 5,000 ppm)
& Calculated NOx
(up to 5,250 ppm)

£250
exc. VAT

High CO Sensor for
CO Readings in %
(up to 10%)

£100
exc. VAT

SO2 Sensor for Sulphur Dioxide
(up to 400 ppm)
& NO2 Sensor for Nitrogen Dioxide
(up to 500 ppm)

Upgradeable options available by application request including revised servicing schedule and pricing.

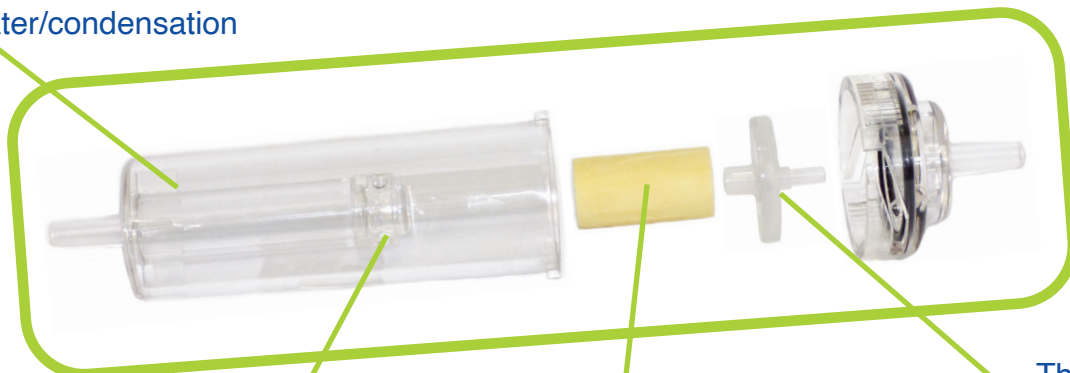
Please call TPI on 01293 530196 to discuss your requirements further.

£POA
exc. VAT

FGA Range Features & 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.

Large visible water/condensation collection area



Gas sampling flow path that works from OUT to IN so you can clearly see when Filters are WET and/or DIRTY

Large particulate filter to capture dust/dirt

The ORIGINAL membrane filter which eliminates water & condensate ingress

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.

**Flue Gas Analyser
Soft Carry Case**



A768
£16
exc. VAT

**Replacement
Air Probe**



GK11M
£6
exc. VAT

**Replacement
Pump Protection
Filter**



A763
£6
exc. VAT

**Replacement Particle
Filters for A796**



A796-F
£16
exc. VAT

**Replacement
Water Stop
Filter**



A796-D
£6
exc. VAT

**Replacement Water
Stop Bowl Complete**



A796
£20
exc. VAT

**Oil
Filter**



A773
£11
exc. VAT

Use the A773 in addition to the Water Trap & Pump Protection Filters to stop

potentially harmful residues from affecting the performance of the CO sensor and the internal pump within your Flue Gas Analyser when used on solid fuels.

Flue Gas Analyser Spares & Accessories



A740
£125
exc. VAT

Infra Red Printer

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



A746
£11
exc. VAT

Replacement Paper Rolls (Pack of 10)

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



A788
£100
exc. VAT

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
£10
exc. VAT

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
£85
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
£28
exc. VAT

Pair of Pipe Temperature Probes

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



A770
£75
exc. VAT

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
£75
exc. VAT

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

Ambient Air Monitors

Carbon Monoxide (CO) Ambient Air Monitor

770
£150
exc. VAT

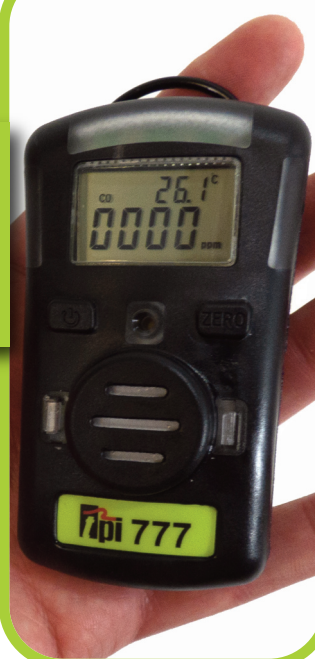
- 0 to 999 ppm in 1 ppm increments
- Visual & Audible (user settable) alarm
- Displays MAXIMUM CO & time elapsed (hours & minutes) since power on



Carbon Monoxide (CO) Personal Monitor

777
£125
exc. VAT

- 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
£650
exc. VAT

- 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
£220
exc. VAT

- 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



Gas Sniffers

Pocket Gas Sniffer c/w Flexi-Neck

725L
£40
exc. VAT

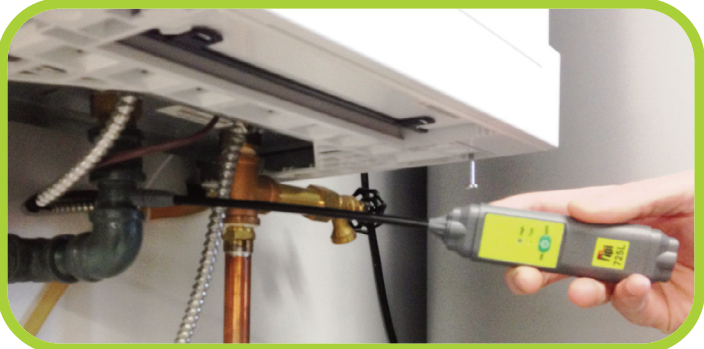
- 40 ppm Sensitivity
- 185mm Flexible Neck
- Detect all combustible gases
- Zero background levels to pin-point leaks



Pocket Gas Sniffer

725a
£40
exc. VAT

- 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
£150
exc. VAT

- 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....



Gas Leak Sniffer

719
£75
exc. VAT

- 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
£99
exc. VAT

- 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



Manometers

Bluetooth™ Digital Manometer

SP620
£75
exc. VAT

- 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



Bluetooth™ Digital Manometer

608BT
£100
exc. VAT

- 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



Dual Input Differential Digital Manometer

621
£130
exc. VAT

- 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 Manometer

608
£80
exc. VAT

- 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
£185
exc. VAT

- 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 Manometers & Kits

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 (inH₂O, Bar, KPa, PSI, mmHg, mmH₂O, 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)

A665
£50
exc. VAT



665
£200
exc. VAT

665-Kit
£230
exc. VAT

665L
£300
exc. VAT

665L-Kit
£330
exc. VAT



635: 5 PSI
£185
exc. VAT

645: 30 PSI
£185
exc. VAT

645NPT: 30 PSI
£185
exc. VAT

- 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

Tightness Test Kits

SP620725L Kit

£125

exc. VAT

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 Let By/Tightness Test then the 725L to pinpoint any leaks, if necessary



725L608 Kit

£115

exc. VAT

719608 Kit

£150

exc. VAT



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 **22** 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.

Pocket Thermometers

306C
£10
exc. VAT

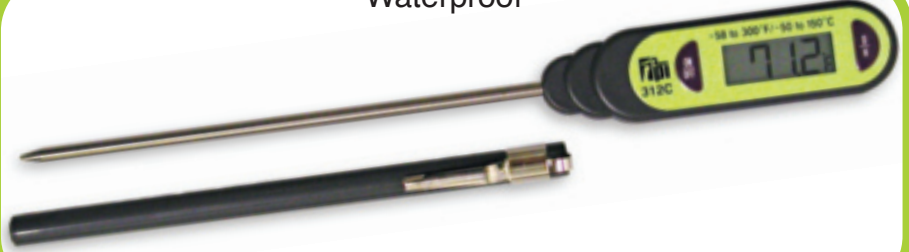
Water Resistant



Penetration Tip: Immersion into Liquids & Semi-Solids

312C
£13
exc. VAT

Waterproof

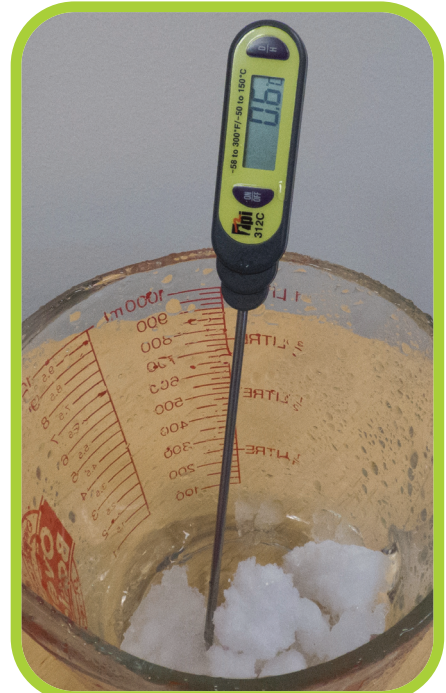


Penetration Tip: Immersion into Liquids & Semi-Solids

310C
£12
exc. VAT



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

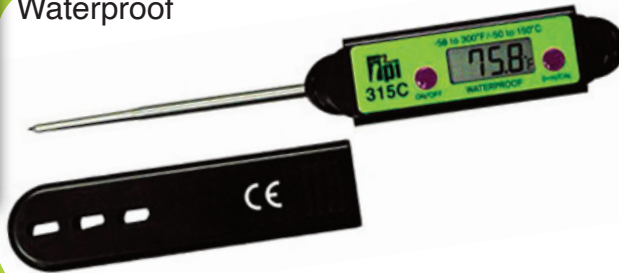


All "C" version digital thermometers can be auto field calibrated in 0° C ice water to $\pm 1^{\circ}$ C

315C
£14.50
exc. VAT

Penetration Tip & Magnets on Back

Waterproof



317C
£14.50
exc. VAT

Water Resistant



Air Tip

318C
£14.50
exc. VAT

Waterproof



Chisel Tip

319C
£14.50
exc. VAT

Water Resistant



Contact Tip

Infra Red Thermometers

Close Range IR Non-Contact

368
£20
exc. VAT

- 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
£62.50
exc. VAT

- 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

383a
£75
exc. VAT

- 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
£90
exc. VAT

- 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



Bluetooth Contact & IR Non-Contact with Adjustable Emissivity

- Bluetooth communication for integration into your existing systems for temperature recording
- Adjustable emissivity for maximum accuracy on ALL surface types
- InfraRed Range: -18 to 1000°C
- Contact Range: -40 to 1200°C
- 0.1 °C Resolution provides increased accuracy of reading.
- Easily switch between IR and Contact with the push of a button
- Record Function
- °C to °F selectable at the push of a button

24 ● 3 Year Warranty



Temperature Testers & Probes



343
£60
exc. VAT

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



CK11M
£27.50
exc. VAT

Surface Probe 4" Stem

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



CK13M
£30.50
exc. VAT

Surface Heavy Duty 4" Stem

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



CK16M
£30
exc. VAT

Surface Heavy Duty 4" Stem

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



FK11M
£22.50
exc. VAT

Immersion Probe 4" Stem

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



FK14M
£22.50
exc. VAT

Immersion Heavy Duty 8" Stem

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



FK12M
£30
exc. VAT

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.



GK11M
£6
exc. VAT

Air Probe 48" Wire Lead

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



GK14M
£22.50
exc. VAT

Air Probe 4" Stem

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



GK17M
£22.50
exc. VAT

Air Probe 8" Caged Stem

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

Temperature Kits



SP341LK

£95

exc. VAT



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>

343 Kit 1

£90

exc. VAT



Flow & Return Temperature Kit

Comes complete with: -

- 343 Dual Input Digital Thermometer
- 2 x CK21M Pipe Clamp Probes
- 2 x GK11M Air Prob
- 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

Vacuum & Refrigeration

Digital Vacuum Gauge

605
£85
exc. VAT



- 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.

Refrigerant Leak Detector

750a
£100
exc. VAT



- 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
- Spare sensor supplied

Refrigerant Leak Detector c/w Pump

753a
£150
exc. VAT



- 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

Volt Sticks, Single Button DMM & Test Leads

AC Volt Stick Low Voltage

40
£16
exc. VAT

- 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
£16
exc. VAT

- 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
£40
exc. VAT

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



A080
£9
exc. VAT



Silicone Test Leads

A085
£10
exc. VAT



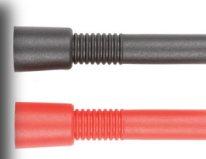
Silicone Test Leads w/ Croc Clips

A082
£10.50
exc. VAT



Silicone Modular Test Leads

A052
£2
exc. VAT



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



A066
£9
exc. VAT

Croc Clips for use with A082 or A052



A037
£6
exc. VAT

Standard Prods for use with A082 or A052



A057
£6
exc. VAT

Back Probes for use with A082 or A052

Digital Multimeters



120
£27.50
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



122
£35
exc. VAT

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
£42.50
exc. VAT

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
£42.50
exc. VAT

Full Size c/w 10 Amps Range

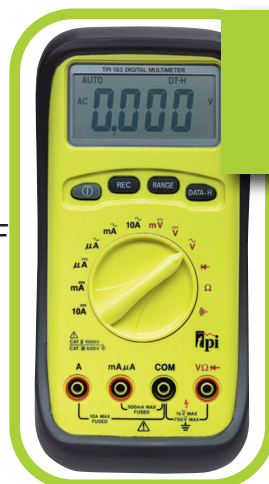
- 0 - 750 Volts AC at 1mV
- 0 - 1,000 Volts DC
- 0 - 20 Meg Ohms Resistance
- 0 - 10 Amps AC/DC
- mV range to take plug-in adaptors
- Diode Test
- Audible Continuity Buzzer



135
£75
exc. VAT

Full Size c/w Capacitance Feature

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



153
£59
exc. VAT

Full Size 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



183a
£115
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
£195
exc. VAT

True RMS 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

Digital Clampmeters & Amp Adaptors

AC Amps

265
£55

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

exc. VAT

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



AC Amps & Temp.

270
£95

exc. VAT

- 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



AC/DC Amp Adaptor

A256
£60

exc. VAT

- Plug into any DMM with mV range to measure current through the Jaw
- 0-400 Amps AC & DC
- 1mV per 1A Output
- $\pm 1\%$ of reading accuracy
- Dual banana plug
- 1.2 metre lead length



AC & DC Amps

275
£105

exc. VAT

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



High Amp Adaptor

A296
£60

exc. VAT

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



Speciality Testers



395
£60
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
£105
exc. VAT

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
£70
exc. VAT

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 lab 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



510
£90
exc. VAT

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.

HVAC/R Instrument Catalogue

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