HVAC/building instrumentation

Flue Gas Analysers
Pressure Meters
Thermometers
Enviromental
Meters
Infrared
Thermometers
Gas Sniffers
Thermal Imagers
Accessories

Since 1980, the date of its corporation, Eurotron instruments have applied the cutting edge technology, innovation and application focus to a diverse and demanding world of instrumentation. Now the company employ over 100 employees dislocated in its various subsidiaries and operations around the world.

Constant investment in new technologies and in the R&D department and extended quality control system are the fundament on which the company have based it is positive growing trend for the past 27 years. Since the early 1994 the company have in place an ISO 9000 certified quality system.

Services and calibration

The dedicated product specialist of Eurotron UK Service has the most comprehensive range of facilities, spare parts and technical know-how at its disposal. We now offers calibration maintenance and repair of UniGas series. We are equipped and committed to delivering the highest level of support and entering into service business partnerships with our customers. Whether we are providing an ad-hoc service or user tailored agreement, customers are guaranteed the highest levels of quality and effectiveness that only a manufacturer can provide. Dedicated service hot-line is also available so that service customers can contact us directly at anytime.

We provide a customer focused and cost effective service function which satisfies customer demands whilst providing the capacity to match continual business growth.

Eurotron service and repair centre offers a wide choice of package aimed to reduce the cost of ownership of your analysers such as
• Yearly or multi year maintenance contract
• Customised package with different financing solutions

How to contact our service team
For all the service or technical related enquiry, please contact our service and calibration department on **0844 492 4497** or send an email to **andy.cox@eurotronuk.com**

Warranty
Each Eurotron product is warranted to be free from defects in material and workmanships under normal use and service for the warranty period listed in the ordering information section of the product specification and begins on the date of shipment. This warranty extend only to the original buyer or end-user customer of an authorised Eurotron Instruments UK Ltd distributor and DO NOT APPLY to any disposable batteries or to any product which , in Eurotron Opinion, has been misused, altered or damaged by accident or abnormal conditions of operation or handling.

5 years limited warranty
The 5 years limited warranty on UniGas 1000+ and 2000+/3000 MK3 only apply if the analyser is serviced annually by Eurotron Instruments UK limited only, under the 5 years plan term and conditions. This warranty extend only to the end-user customer and DO NOT APPLY to any disposable batteries or to any product which , in Eurotron Opinion, has been misused, altered or damaged by accident or abnormal conditions of operation or handling. To Qualify and establish original ownership and prove date of purpose , please complete and return to Eurotron Instruments UK Ltd the registration card accompanying the product. If the card is missing please contact us via email andy.cox@eurotronuk.com

The table below gives you a quick indication and specification comparison of the UniGas range of combustion flue gas analysers manufactured by Eurotron Instruments. If you would like to discuss your application, and/or you are in doubt of which analyser you should utilise, please contact our dedicate team of specialist by phone at **0844 492 4497**, or email us at **sales@eurotronuk.com**. We will be glad to take you through the technical specifications of the product and advise you on the best solution for your application.

	Domestic	Commercial Domestic	Commercial
	1000+	**2000+**	**3000MK3**
Functions			
O2, CO, CO2, CO/CO2 ratio, Loss, Excess Air	●	●	●
Efficiency gross, net, condensing	●	●	●
Temperature, differential temperature	●	●	●
Draught	●	●	●
Pressure and differential pressure	●	●	●
Dual pressure sensor for fine draught	●	●	●
Multi-fuel (Gas, Oil and solid) 10 selectable	●	●	●
Advanced tasks			
Automatic timed tightness test (IGE/UP/1B)	●	●	●
Automatic timed let by test (IGE/UP/1B)	●	●	●
Automatic CO room built up (BS7967)	●	●	●
Automatic T Flow and T Return calculation	●	●	●
Data display, printing and store			
Personalised separate prints out for flue gas analysis, tightness test, Let by test, DT and CO ambient monitor	●	●	●
Built-in Printer	●	●	●
Data memory with data allocation and software	n/a	●	●
Display Information (simultaneous parameters)	3	3	12
Pollution			
NO/Nox measurement cell (NOx calculated)	n/a	option	option
SO2 measurement for commercial application	option	option	option
Advanced functions			
CO dilution system for commercial application	n/a	n/a	●
Analyser auto zero in stack	n/a	n/a	●
Purge technology	n/a	n/a	●
Data transmission			
PC Link	n/a	USB	USB
Other			
Remote Air Temperature sensor for balanced flue boilers	option	option	option
Smoke Index (with optional manual smoke pump)	●	●	●
Li-Ion rechargeable battery (no memory loss)	●	●	●
Warranty			
Manufacturer warranty (limited)	5 years	5 years	5 years

Certification and Conformity
UniGas 1000+/2000+: Conform to BS EN 50379 and BS 7967
UniGas 3000MK3:   Independently tested, TUV approved to EN 50379-1&2
Certificate number: 07 10 91277 002

	1000+ Kit Standard	1000+ Kit Professional	2000+ Kit standard	2000+ Kit Professional	3000MK3 Kit Professional
Functions					
Analysers	●	●	●	●	●
Li–ION rechargeable battery	●	●	●	●	●
Main charger	●	●	●	●	●
Integral printer	●	●	●	●	●
Rubber sleeve	●	●	●	●	●
Flue gas probe c/w water trap	●	●	●	●	●
Soft carrying case	●	●	●	●	
ABS case					●
Pair of clamp on temperature sensor		●		●	
2 x pressure hose kit		●		●	
Internal gas leak detector				●	
Software, USB cable			●	●	●

UniGas 2000+ Professional Kit
• UniGas 2000+ analyser
• Built–in printer
• Flue gas probe, 300 mm x 6 mm
• Lithium/Ion Rechargeable battery & charger
• Vinyl case, rubber sleeve with magnet
• Differential temperature kit (clamp on)
• Differential pressure hose kit
• Built–in gas leak detector
• Memory, DBGas software package, USB cable

UniGas 2000+ Standard kit
• UniGas 2000+ analyser
• Built–in printer
• Flue gas probe, 300 mm x 6 mm
• Lithium/Ion Rechargeable battery & charger
• Vinyl case, rubber sleeve with magnet
• Memory, DBGas software package, USB cable

Application
• Check Efficiency net/gross/condensing
• Adjust CO, CO2 and Ration values
• Check low NOx burner (with optional NO)
• Adjust Gas Mixture, Test Air Pressure switch
• Tightness test and let by test
• Flow and Return Adjustment
• Balance Radiators
• Flow and Return Adjustment
• CO detection
• Gas leak detection

UniGas 1000+ Professional Kit
• UniGas 1000+ analyser
• Built–in printer
• Flue gas probe, 300 mm x 6 mm
• Lithium/Ion Rechargeable battery & charger
• Vinyl case, rubber sleeve with magnet
• Differential temperature kit (clamp on)
• Differential pressure hose kit

UniGas 1000+ Standard kit
• UniGas 1000+ analyser
• Built–in printer
• Flue gas probe, 300 mm x 6 mm
• Lithium/Ion Rechargeable battery & charger
• Vinyl case, rubber sleeve with magnet

Application
• Check Efficiency net/gross/condensing
• Adjust CO, CO2 and Ration values
• Adjust Gas Mixture, Test Air Pressure switch
• Tightness test and let by test
• Flow and Return Adjustment
• Balance Radiators
• Flow and Return Adjustment
• CO detection

UniGas 3000MK3 Professional kit
• UniGas 3000+ analyser
• Built–in printer
• Flue gas probe, 300 mm x 8 mm
• Lithium/Ion Rechargeable battery & charger
• ABS, rubber sleeve with magnet
• Memory, DBGas software package, USB cable

Application
• Check Efficiency net/gross/condensing
• Adjust CO, CO2 and Ration values
• Check NOx and SO2 from commercial installation
• Adjust Gas Mixture, Test Air Pressure switch
• Tightness test and let by test
• Flow and Return Adjustment
• Balance Radiators
• Flow and Return Adjustment
• CO detection

Professional grade easy to use Flue Gas Analyser with advanced functions

A professional gas analyser offering an "all-in-one" solution for heating engineers for adjustment and maintenance of oil and gas burners. Additional benefit such CO ambient monitor (BS7967), dedicated pressure leak test function for tightness test /Let by (IGE/UP/1B) with programmable timer and T flow and T return temperature measurement are included as standard feature.

UniGas 2000+ also features
- Memory for 250 sites, and DBGas PC software are part of the standard package
- Integral Gas leak detector for gas sniffer
- Optional NO/NOx measurement cell for Low NOx burner
- Extended CO range up to 10000ppm for fast cell recovery

5 years limited warranty

UniGas 1000+

5 years service contract

5 years limited warranty

UniGas 2000+

Conform to BSEN50379 & BS7967

Features

	UniGas 1000+	UniGas 2000+
Integral Printer	●	●
O2, CO, CO2, CO/CO2 ratio, Loss, Excess Air, T flue, Tair	●	●
Li-Ion rechargeable battery and charger (long lasting)	●	●
Efficiency gross, net, condensing	●	●
Temperature Flue, Air, differential temperature	●	●
Draught	●	●
Pressure and differential pressure	●	●
Multi-fuel up to 10 (natural gas, LPG, butane pellets, dry wood, coke, heavy oil, light Oil,	●	●
Automatic timed tightness test (IGE/UP/1B)	●	●
Automatic timed let by test (IGE/UP/1B)	●	●
Automatic CO room built up (BS7967) 15 min log, CO Max	●	●
Automatic T Flow and T Return (benchmark checklist)	●	●
250 location record, USB cable, DBGas software		●
Built-in combustible gas leak detector		●
5 years limited warranty	●	●
NO/NOx measurement cell for Low NOx burner		●
5 years service contract	●	●
Personalised separate prints out for flue gas analysis, tightness test, Let by test, DT, temperature and CO ambient monitor	●	

Included Accessories UniGas1000+/2000+:
Integral printer, Li-Ion rechargeable battery, charger, instruction manual, water trap and filter, flue gas probe with integrate thermocouple, spare paper roll, rubber sleeve with magnet, integral printer, Vinyl case

UniGas 2000+ also include
250 memory location, DB gas software, USB cable.

UniGas 1000+/2000+ Professional Kits
Professional Kit also include UACC-TPO5 clamp on sensors, UACC-G-004 differential pressure hose kit

Ordering Information
2KOSTD300S   UniGas 2000+ Standard Kit, O2, CO- 300 x 6mm single hose probe
2KNSTD300S   UniGas 2000+ Standard Kit, O2, CO, NO- 300 x 6mm single hose probe
2KOPRO300S   UniGas 2000+ Professional Kit, O2, CO- 300 x 6 mm single hose probe
1KOSTD300S   UniGas 1000+ Standard Kit, 300 x 6mm single hose probe
1KOPRO300S   UniGas 1000+ Professional Kit, 300 x 6 mm single hose probe
1KOSTD180S   UniGas 1000+ Standard Kit, 180 x 6mm single hose probe
1KOPRO180S   UniGas 1000+ Professional Kit, 180 x 6 mm single hose probe

UniGas 2000+ Professional Kit
• UniGas 2000+ analyser
• Built-in printer
• Flue gas probe, 300 mm x 6 mm
• Lithium/Ion rechargeable battery & charger
• Vinyl case, rubber sleeve with magnet
• Differential temperature kit (clamp on)
• Differential pressure hose kit
• Built-in gas leak detector
• Memory, DBGas software package, USB cable

UniGas 1000+ Professional Kit
• UniGas 1000+ analyser
• Built-in printer
• Flue gas probe
• Lithium/Ion rechargeable battery & charger
• Vinyl case, rubber sleeve with magnet
• Differential temperature kit (Clamp on)
• Differential pressure hose kit

Specifications

	UniGas 2000+	UniGas 1000+
O2 measurement	0 to 25 % Volume	
CO measurement	0 to 10.000 ppm	0 to 4000 ppm
CO measurement (H2 compensated) optional	0 to 8.000 ppm	not available
NO measurement (optional)	0 to 4000 ppm	not available
Efficiencies	0 to 100 %	
Flue gas loss	0 to 99.9 %	
CO2 calculated	0 to CO2 max	
Temperature measurement (direct, differential)	–10°C to 600°C	
Draught measurement	± 40.00 mbar/hPa	
Pressure measurement (gauge and differential)	± 0-200.00 mbar/hPa	
CO/CO2 RATIO	calculated	
Gas leak measurement internal	CH4 and LPG	Not avaliable
Ambient CO measurement (Internal)	0 to 500 ppm	0 to 500 ppm

Power: Rechargeable Li-Ion battery pack
Battery Life: 8 hours continuos
Warranty: 5 years limited warranty
instruments and cells when serviced annually by Eurotron Instruments
UK Ltd. 1 year for battery, charge and flue gas probe

DBGas Software
UniGas 2000+ store up to 250 location. Using the DBGas Windows software package, you can organise and manage your inspection and maintenance activity.
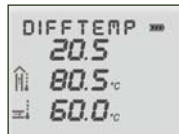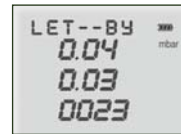

Display Screens

Clear backlight display

Automatic Tightness test

T Flow and T Return function

Automatic let by test

Recommended accessories

UACC-TP052
2 x Clamp On

UACC-G003
Car Charger

UACC-TP06
T air remote

UACC-G001
Car Charger

UACC-SP-01
Appliances probe kit

new

5 years limited warranty

Four cells flue gas analyser with expanded capabilities for commercial heating engineers

UniGas 3000MK3 offers heating engineers, installers and inspectors anything they required to perform maintenance installation or inspection of commercial boiler. The large back light display shows up to 12 combustion parameters on the same page which are selectable from the user. The probe can remain positioned in the flue during the initialisation phase.

An instrument diagnostic page provides the user information of the sensor states, and other wearing parts. What is more of a benefit is the "task menu", which configure automatically UniGas 3000MK3 for the desired function.

TUV approval
BS EN50379-2

Features

Integral Printer	●
New long life O2 cell last up top 6 years	●
Optional NO/NOx and SO2 measurement	●
O2, CO, CO2, CO/CO2 ratio, Loss, Excess Air, T flue, Tair	●
Display of 12 measured value simultaneously	●
Li-Ion rechargeable battery and charger (long lasting)	●
Efficiency gross, net, condensing	●
Temperature Flue, Air, differential temperature	●
Draught	●
Pressure and differential pressure	●
Multi-fuel up to 10 (natural gas, LPG, butane pellets, dry wood, coke, heavy oil, light Oil,	●
Automatic timed tightness test (IGE/UP/1B)	●
Automatic timed let by test (IGE/UP/1B)	●
Automatic CO room built up (BS7967) 15 min log, CO Max	●
Automatic T Flow and T Return (benchmark checklist)	●
CO dilution system and quick Auto zero function	●
Gas Velocity	●
250 Memory Location, USB connection and Software	●
Personalised separate prints out for flue gas analysis, tightness test, Let by test, DT, temperature and CO ambient monitor	●

Included Accessories:
Integral printer, Li-Ion rechargeable battery, charger, instruction manual, water trap and filter, flue gas probe with integrate thermocouple, spare paper roll, rubber sleeve with magnet, Vinyl case.

Ordering Information
3K0PRO300D   UniGas 3000MK3 Professional Kit 300 x 8 mm dual hose probe
3K0PRO300S   UniGas 3000MK3+ Professional Kit, 300 x 6 mm single hose probe

Optional measurement cell
3K0OPTONO   NO(4000 ppm) measurement cell
3K0OPTSO2   SO2 (1000 ppm) measurement cell

UniGas 3000MK3 Professional Kit
• UniGas 3000 MK3 analyser
• Built-in printer
• Flue gas probe (300mm x 8mm)
• Li–Ion rechargeable battery
• Power supply/charger
• Robust ABS transit case
• Rubber sleeve with magnet
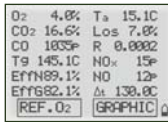• USB cable and software
• Calibration certificate

Specifications

O2 measurement	0 to 25 % Volume
CO measurement (H2 compensated)	0 to 8000 ppm 0 to 8.000 ppm
NO measurement (optional)	0 to 4000 ppm
SO2 measurement (optional)	0 to 1000 ppm
Efficiencies	0 to 100 %
Flue gas loss	0 to 99.9 %
CO2 calculated	0 to CO2 max
Temperature measurements (direct, differential)	–10°C to 1200°C
Draught measurement	40.00 mbar/hPa
Pressure measurement (gauge and differential)	± 0–200.00 mbar/hPa
CO/CO2 RATIO	calculated
Gas leak measurement int/ext (optional)	CH4 and LPG
Gas Velocity (require optional Pitot Tube)	0 to 99.9 m/s
Ambient CO measurement (Internal)	0 to 500 ppm

Power: Rechargeable Li-Ion battery pack **Battery Life**: 8 hours continuos
Warranty: 5 years Limited warranty
instruments and cells when serviced annually by Eurotron Instruments
UK Ltd. 1 year for battery, charge and flue gas probe
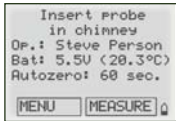
Display Screens

Logical **task menu**

Graphic LCD
Displays up to 12 combustion
parameters per page

250 memory store
Up to 250 data set can be
manually stored during the
operation including addressed,
Boiler IDs and system number.

Quick auto zero

The probe can remain
positioned in the flue during
the initialisation phase of the
measurement cells.

DBGas Software

UniGas 3000 MK3 store up to 250 location.
Using the DBGas Windows software
package, you can organise and manage your
inspection and maintenance activity.

Recommended accessories

UACC-TP052
2 x Clamp On

UACC-G003
Car Charger

UACC-TP06
T air remote

UACC-G001
Car Charger

Temperature probe

UACC-TP01 Air Temperature Probe
Type K
thermocouple
Range –40 to 400 ℃
Length 130 mm

UACC-TP02 Immersion Probe
Type K thermocouple
Range –40 to 400 ℃
Length 130 mm
Use in liquid and gel

UACC-TP03 Velcro Probe (2 off)
Type K thermocouple velcro Probe
Range –40 to 80 ℃
Length 300 mm
Use for big Pipe size

UACC-TP04 Fast Action Contact Temperature Probe
Type K thermocouple
Range –40 to 400 ℃
Length 130 mm

UACC-TP05 Clamp On Temperature Probe (2 off)
Type K thermocouple/ RTD
Range –40 to 100 ℃
Max Diameter 26 mm

UACC-TP06 Remote Tair
Remote Temperature
sensor for balanced flue
boiler.

Case

UACC-TC01 ABS transit case
Hard transport carrying case
Fill Analyser and accessories

UACC-TC02 Soft Vinyl Case
Soft padded vinyl case with 2
separate vane for instrument and
accessories

UACC-TC03 Aluminium Case
Robust aluminium transport case for
heavy duty

Oil accessories

UACC-G-001 Smoke pump
Manual smoke pump with
comparison chart and filter
(pack of 40)

UACC-C-008 OIL Filter
Use in addition to the water trap to
stop potentially harmful residues from
effecting the performance of the CO
sensor and pump

Others

UACC-SP-01 appliance sampling probe kit
The appliance sampling probe kit
enables the investigation of
fumes/products of combustion from
appliances such as cookers, grills,
flueless appliances as
described in BS
7967:2005

UACC-G-002 Pitot Tube
Type S pitot Tibe for Gas Velocity
measurement.
Length 300 mm

UACC-G-003 In Car Charger
12 VDC in Car charger for "on the
road" charge of your analyser

Consumable

Description	Ordering Number
Paper Printer Roll	UACC-C-001
Water Trap Filter (EE650082) Pack of 5	UACC-C-002
Printer Ribbon	UACC-C-003
Paper Filter for Smoke Pump (set of 40)	UACC-C-004
Smoking Index comparison table	UACC-C-005
New Advanced Water Trap	UACC-C-006
Water trap filter (set of 5) for (UACC-C-006)	UACC-C-007

Specifications

Detect	Methane, Butane, Propane, LPG, NAT Gas
Sensitivity High	40/70/125/220/385/640 ppm
Sensitivity High	400/700/1250/2200/3850/6400 ppm
Power Supply	4 x alkaline type AA battery
Display	Large Backlight LCD, 128 x 128 pixel
Dimension	189 mm x 80 mm x 35 mm
Weight	450 g

Warranty: 1 year
Battery Life : 20 hours
Classification: Class 1, Div 1 (ABCD)

Features

• 400 mm long high flexible probe for inaccessible pipe with torch light
• Two ranges: High and Low sensitivity
• Increasing visual and audible alarm with rising gas concentration
• First alarm level at 40 ppm
• Choice of measurement data display (ppm, bar)
• Long Sensor life span up to 5 years

Included Accessories: 4 AA type Alkaline Battery
                         Instruction Manual

Ordering Information: 7895 MicroTool Gas Sniffer

Specifications

Detect	All CFC's, HFC,HCFC as R12, R22, R134a, PURON 412A
Sensitivity	3g/year–0.1 oz/year(R134a) in accordance to EN 14624
Power Supply	4 x alkaline type AA battery
Display	Large Backlight LCD, 128 x 128 pixel
Dimension	189 mm x 80 mm x 35 mm
Weight	450 g

Warranty: 1 year
Battery Life : 6 hours
Classification: meet EN 14624

Features

• 400 mm long high flexible probe for inaccessible pipe with light
• Very high sensitivity in accordance with EN 14624
• Visual, audible and vibrating alarm
• Programmable audible alarm
• Large graphic backlight display

Included Accessories: 4 AA type Alkaline Battery
                         Instruction Manual

Ordering Information: 7893 MicroTool CFC Sniffer

Professional grade easy to use differential manometer

The DT8890 series are innovative range of differential pressure manometers, especially introduced in the market for helping heating engineering in easy performing task such as Let by/Tightness Test, Burner pressure adjustment and many more. It measure Gauge, negative and differential pressure up to a Range of 350 mbar. USB interface, cable and case are part of standard delivery

Eurotron DT8890 manometer feature:
• Dual line Display
• 3 models, 135 ,350 mbar and 1.4 bar ranges
• Hold function to freeze reading
• Large backlight LCD display
• Continuous display on Min/Max/Avg value
• USB interface and software
• Zero function
• Low Battery indication and AutoPower off

Specifications

	DT 8890	DT8890A	DT8890C
Pressure Range (mbar)	± 345 mbar	± 135 mbar	± 1350 mbar
Basic Accuracy	± 0.2 % FS		
Resolution (mbar)	0.1 mbar		
Measurement modes	gauge pressure, negative pressure and differential pressure (inert gases only)		
Selectable pressure unit (11)	mbar, psi, bar, mmHg, inH2O, inHg, cmH2O, kPa, ftH2O, kg/Cm2, on/in2		

Warranty: 1 year.
Size: 210mm x 75mm x 50 mm
Weight: 280 g
Mark: CE, EMC 61326

Included Accessories:
9 V battery, USB cable, Software, hose connection, carrying case

Ordering Information
C–DT8890   Pressure Meter
C–DT8890A Pressure Meter
C–DT8890C Pressure Meter

Differential Pressure and Flow Meter

DT 8897

The Eurotron DT8897 combine in one unit , differential pressure, Air Velocity, Ari Flow and temperature measurement. Ideal for Large Vane flow measurement in HVAC system.

Eurotron DT8897 feature:
• Three line Display
• Display Pressure, Air Velocity or Flow and temperature simultaneously
• Easy to set Area Dimension (up to 8 points)
• All other specs and feature as DT8890A

Specifications

Pressure Specification	DT 8897
Pressure Range (mbar)	± 135 mbar
Basic Accuracy	± 0.2 % FS
Resolution (mbar)	0.1 mbar
Measurement modes	Gauge Pressure, Negative Pressure and Differential Pressure (inert gases only)
Selectable pressure unit (11)	mbar, psi, bar, mmHg, inH2O, inHg, cmH2O, kPa, ftH2O, kg/Cm2, on/in2

Warranty: 1 year
Size: 210mm x 75mm x 50 mm
Weight: 280 g
Mark: CE, EMC 61326

Air Velocity Specification	DT 8897
m/s	0.4 to 30 m/sec
Accuracy	±3% ±0.20 m/sec
Resolution	0.01 m/sec
Temperature (°C)	0 to 50 °C
Selectable unit	ft/min, km/h, MPH, F

Air Flow volume	DT 8897
m3/minute	0–999.999 m3/min
Area	0–999.9 m2
Resolution	0.001–100
Selectable unit	ft3/minute

Included Accessories:
9 V battery, Anemo probe, USB cable, Software, hose connection, carrying case

Ordering Information
C–DT8897 Pressure and Flow Meter

Combined Thermo hygrometer and Infrared Thermometer with long distance measurement

The DT-8896 combines the relative Humidity measurement with surface, immersion and non-contact infrared temperature measurement. It's large triple LCD display simultaneously display Temperature and Humidity, dew point and wet bulb temperature

The Eurotron DT-8896 feature

• Infrared and contact temperature measurement
• 30:1 distance to target ratio for smaller spot at greater distance
• Large backlight LCD display
• Simultaneous display of humidity/Temperature–Humidity Dew Point or Humidity/Wet Buld
• Slim design with rubberized side for sure grip/
• Low Battery indication and AutoPower off

Specifications

Function	Range	Resolution	Accuracy (basic)
Type K Thermocouple	–100 to 1372 °C	0.1 °C	± 3 % rdg
Infrared Temperature	–50 to 500 °C	0.1 °C	± 2 % rdg
Air Temperature	–10 to 60 °C	0.1 °C	±2 °C
Humidity (% RH)	0 to 99.9 % RH	0.1% RH	± 2 % RH
Dew Point Temperature	–30 °C to 100 °C	0.1 °C	± 0.5 °C
Wet Bulb temperature	0 to 80 °C	0.1 °C	± 0.5 °C

Size (H x W x D) 255mm x 75mm x 50 mm
Weight: 0.35Kg
Power: Alkaline battery, 9 V
Warranty: 1 year
Mark: CE, EMC 61326

Combined Differential and Infrared Thermometer with data logging

The Eurotron DT8891 series is a differential and Infrared thermometer all in one, with 3 lines display for easy temperature comparison. It can measure simultaneously up to 3 temperatures and display them in any kind of combination. Ideal for T flow/T return temperature measurement and checking radiator temperatures.Data logging and USB port are available for data recording (DT8891C only)

Eurotron DT8891 thermometer feature:
• 3 channel measuring instruments
• Infrared thermometer (DT8891/8891C)
• Simultaneously display of 3 temperatures
• Hold function to freeze reading
• Auto SCAN function
• Large backlight LCD display
• Continuous display on Min/Max/Avg value
• 18.000 records per channel (8891C)
• USB interface and software (DT8891C)

Features

	DT 8891	DT 8891A	DT 8891C
User Selectable C, F or K	●	●	●
Dual Input thermometer	●	●	●
Infrared temperature	●		●
Differential temperature	●	●	●
Max/Min/AVG/Hold	●	●	●
Autopower Off, Backlight Display	●	●	●
Data logging /USB interface			●

Specifications

	DT 8891A	DT 8891	DT 8891C
Range (Thermocouple input)	–200 to 1372°C		
Basic Accuracy	±(0.15% rdg + 1.5°C) above –100°C ±(0.5% rdg + 4°C) above –100°C		
Range (Infrared temperature)	n/a	–30 to 550 °C	
Accuracy (Infrared measurement)	n/a	±(2 % rdg + 2°C) below –10°C ± 5 °C below –10 °C	
Reading Mode	Diff T1–T2, T1, T2	T1, T2, TIr, Diff. T1–T2, Diff T1–TIr, Diff T2–Tir	
Data logging /USB interface	n/a	n/a	18.000 records per channel

Size (H x W x D) 205mm x 75mm x 50mm
Weight: 280g
Power: Alkaline battery, 9 V
Warranty: 1 year
Mark: CE, EN 61326

Included Accessories:
8891,8891A,8891C: 9V battery, Type K thermocouple, carrying case and gift box, IR probe (8891/8891C), USB port/Software (8891C only)

Ordering Information
C–DT8891A, Differential Thermometer
C–DT8891   Differential thermometer, IR thermometer
C–DT8891C Differential Thermometer, IR Thermometer, data logging

Recommended accessories

UACC–TP03
Velcro Probe (2 off)

UACC–TP04 Fast Action
Contact Temperature Probe

UACC–TP02
Immersion Probe

UACC–TP01
Air Temperature Probe

C–DACC–TP01 Clamp on
Temperature Probe (2 off)

Measure surface temperature with easy and accuracy

The Eurotron MicroRay series of non-contact thermometer, are ideal professional diagnostic tool for quick and accurate temperature measurement. These hand held tools are ideal for measuring surface temperature, hard-to-reach, hot targets and heating and ventilation systems. The laser sighting guides measurements to the right targets.

Eurotron DT8891 thermometer feature:
• Laser guided sighting for easy target identification
• Up to 20 :1 Optical resolution
• Up to 64 memory and data logging
• Hold function to freeze reading
• Large backlight LCD display
• Min/Max/Avg function
• Adjustable emissitivity
• USB interface and software

Features

	1183-1	1183-2	1183-4
Laser Pointer	●	●	●
Diff, Max, Min, AVG, Hold	●	●	●
External probe socket		●	●
Data logging/USB interface			●
Environmental module (integrated)			●
Autopower Off, Backlight Display	●	●	●

Specifications

	1183-1	1183-2	1183-4
Range (type K thermocouple) (T1 & T2)	-30 to 500°C		-30 to 600°C
Accuracy:	-30 to 0°C: ±(1°C rdg+0.07°C/°C) 0 to fs ±(1.5rdg or 1.5°C)		-30 to 0°C:±(1C rdg+0.07°C/°C) 70 to fs ±(1.5rdg or 1.5°C)
Resolution	from 0.1 to 1 °C		
Emissivity (adjustable)	from 0.20 to 1°C		
Distance to Target (D:S)	15:1		20:1
Data logging /USB interface	n/a	n/a	64 records, Mini USB

Size (H x W x D) 140mm x 90mm x 38mm
Weight: 165 G
Power: Alkaline battery, 9 V
Warranty: 1 year

Included Accessories:
9V battery, manual 1183-4also include (T+RH% module), USB cable and PC software, transport case

Ordering Information
1183-1 MicroRay HVAC
1183-2 MicroRay HVAC+
1183-4 MicroRay HVAC++

Recommended accessories
EE880075 Rigid ABS case
EE880070 soft case with belt clip
F2126000 Ambient and immersion probe
F2127000 Fast Action Contact probe

DT9917/DT9918T

True RMS

Professional multimeter for the day to day field service or repair

The Eurotron DT-9917/9918T professional multimeter have all the features needed to repair most of the electrical problem.

It conform to the latest safety standards and it offer all the measurement function you might need.

The DT-9918T is a true-RMS for Voltage and Current AC

Features

Display Counts	4000
Large Backlight display	●
True-RMS	DT-9918T only
Auto Ranging	●
Audible continuity/diode test	●
Ergonomic case with integrated holster	●
AutoPower off preserves battery life	●
Temperature measurement	●
EN 61010-1 Safety rating	CAT IV 600V/ CAT III 1000V

Specifications

Function	Maximum	Best resolution	Accuracy (rdg)
Voltage (DC)	1000 V	0.1 mV	±(0.5%rdg±2 dgts)
Voltage (AC)	1000 V	0.1 mV	±(1.2%rdg±3 dgts)
Current (DC)	10 A	0.1 microA	±(1.5%rdg±3 dgts)
Current (AC)	10 A	0.1 microA	±(1.5%rdg±5 dgts)
Resistance	40 MOHM	0.1 ohm	±(1.2%rdg±2 dgts)
Capacitance	200 microF	1 pF	±(3.0%rdg±5 dgts)
Frequency	9.999MHz	0.001 Hz	±(1.2%rdg±3 dgts)
Duty Cycle	99.9 %	0.1 %	±(1.2%rdg±2 dgts)
Temperature	-20 to 760 C	1C	±(3%rdg±2 dgts)

Size (H x W x D) 182 x 82 x 55 mm
Weight: 0.37Kg
Power: Alkaline battery, 9 V
Warranty: 1 year
Mark: CE, CAT II 1000 V, CAT IV 600V

Included Accessories: 9V battery, Type K thermocouple, soft case and test leads

Ordering Information
DT9917   Professional Multimeter
DT9918T True RMS Professional Multimeter

AC Clamp-on adaptor

CP-09

Expand your multimeter capability

CP-09 is the ideal tool to extend the current ranges for all Multimeters.
The CP-09 is a 200A AC current clamp-on Adaptor with voltage output via a standard banana inputs to be connected to multimeters.

Operating range: up to 200 A
Output: 1mV/A AC current
Warranty: 1 year
Mark: CE, CAT III 1000 V

Ordering Information
CP-09   AC Clamp on adaptor

new

DT-3343   **DT-3345**

True RMS

Current Clamp meters with expanded capability to temperature and capacity measurement

The Eurotron DT-3343/DT 3345 feature wide opening jaws for safe, fast non contact current measurement. The large backlight display make it easy to read value in poor light conditions. The display hold keeps measurement on the display.

Both model feature temperature and capacitance measurement capability, ideal tool for heating and ventilation and air conditioning system inspection.

Included Accessories:
9V battery, Type K thermocouple,soft case and test leads

Features

	DT-3343	DT-3345
True-RMS		●
Large Backlight display	●	●
Display Hold	●	●
Auto/manual Ranging	●	●
Auto Power off and low battery Indication	●	●
Min/Max		●
Continuity Test/Diode with buzzer	●	●
Large jaw	●	●
Current AC/DC	●	
Temperature and Capacitance measurement	●	●
EN 61010-1 Safety rating	CAT III 600V	CAT III 600V

Ordering Information
DT-3343   AC/DC Clamp on meter
DT-3345   AC Clamp on meter, True-RMS

Specification

Function	DT-3343		DT-3345		DT-3343	DT-3345
	Range (max)	Resolution (best)	Range (max)	Resolution (best)	Basic Accuracy	
AC Current	1000 A	1 mA	1000 A	10 mA	±(2.5%rdg±5 dgts)	±(2.5%rdg±5 dgts)
DC Current	1000 A	10 mA	n/a	n/a	±(2.5%rdg±5 dgts)	n/a
AC Voltage	600V	0.1 mV	600V	0.1 mV	±(2.5%rdg±5 dgts)	±(0.8%rdg±2 dgts)
DC Voltage	600V	0.1 mV	600V	0.1 mV	±(2.5%rdg±5 dgts)	±(1.0%rdg±4 dgts)
Resistance	40 Mhom	0.1 ohm	40 Mhom	0.1 ohm	±(2.5%rdg±5 dgts)	±(1.0%rdg±4 dgts)
Capacitance	100 nf	0.01 nf	40 mF	0.01 nf	±(2.5%rdg±5 dgts)	±(3.0%rdg±5 dgts)
Frequency	100 Khz	0.1Khz	10 Mhz	0.01Mhz	±(2.5%rdg±3 dgts)	±(1.2%rdg±3 dgts)
Duty Cycle	99.9 %	0.1%	n/a	n/a	±(2.5%rdg±2 dgts)	n/a
Temperature (type K)	1000°C	0.1 °C	1000°C	1 °C	±(2.5rdg±2 dgts)	±(3.0rdg±5 dgts)
Continuity	<35 ohm		1< 35 ohm			

Size (H x W x D) 229mm x 80mm x 49 mm
Weight: 303g,
Power: Alkaline battery, 9 V
Warranty: 1 year
Mark: CE, CAT III 600V

Non-Contact AC Voltage Detector

AC-9

Just a simple touch to locate voltage on a line

The Eurotron AC-09 is easy to use, just touch the tip of an outlet or cord and when it glows red, then you know there is voltage on the line.

• Rugged Double Molded Plastic
• Safety to CAT III 1000 V
• Flashing Red Light Indicator
• Large backlight LCD display
• Built-In bright flashlight with on/off Indicator

Operating range: 100 to 600 VAC
Size (H): 150 mm
Battery: Two AA alkaline
Warranty: 1 year
Mark: CE, CAT III 1000 V

Included Accessories: 2 AA alkaline battery

Ordering Information: AC-09   Volt Finder

new

The choice of IR professionals

The affordable ITc Thermal imager are excellent tools for the demand of building inspection, roofing application and help to meet the L2 building regulation. They provide heating engineer and plumbers a valuable tool for finding leaks in hidden pipework and check efficency of Air conditioning and heating system.

The ITc 60D and HD are the expert choice for building diagnostic. They feature the highest level of thermal sensitivity to identify even the smallest temperature difference that could indicate potential problems.

The ITc 60 and 60 HD uses a Duo Vision technology for capturing both the infrared and digital picture for easy identification of the object

IT*c* 25 Entry ntry level model for trouble shooting and general maintenance. Features:
•   160 x 240 pixel resolution
•   2.2 mrad spatial resolution
•   0.1 °C NETD thermal sensitivity

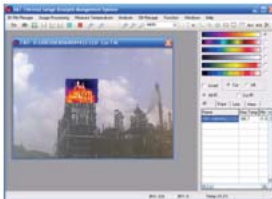**IT*c* 60D** The DuoVision entry level model for trouble shooting and general maintenance. Features:
•   160 x 240 pixel resolution
•   2.2 mrad spatial resolution
•   0.1 °C NETD thermal sensitivity

IT*c* 60HD High definition model, the professionals choice identify even smaller temperature difference thanks to its excellent NEDT and extremely high detector resolution. Features:
•   280 x 244 pixel resolution
•   1.2 mrad spatial resolution
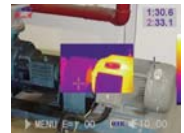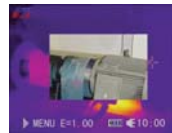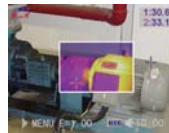•   0.08 °C thermal sensitivity

IR Report Software

Each IT*c* thermal imager is supplied with the IR reporting software as standard. The software is a powerful tool for editing, viewing, analysing and annotating infrared images. It also generates professional looking reports, fully costumizable. The DuoVision technology is fully supported.

DuoVison Concept
See twice, see better!!!!!!

The DuoVision technology automatically capture and store a digital picture and the corresponding infrared image and blend them together providing the users clear and reliable information to fast identifying critical faults and anomalies which could potentially lead to failures. IT*c* cameras will help you in identifying faults before the occurs.

new

Complete set

Specifications

	IT*c* 25	IT*c* 60D	IT*c* 60HD
Detector resolution (pixels)	160 x 120	160 x 120	384 x 288
Temperature range	–20 to 250 °C	–20 to 600 °C	–20 to 600 °C
Thermal sensitivity	0.1 °C	0.1 °C	0.08 °C
Image presentation	Ir	Ir/PIP/VIS/ DuoVision	Ir/PIP/VIS/ DuoVision
Field of view	20 °C x 15 °C	20 °C x 15 °C	24 °C x 21°C
DuoVision technology		•	•
Choice of pallets	6	6	6
Built-In digital camera		680 x 480 pixels	680 x 480 pixels
Torch light	•	•	•
Video output	•	•	•
Display	2.5" LCD	2.5" LCD	2.5" LCD
Voice annotation		•	•
On board analysis tool	•	•	•
Data storage	Internal memory	SD card	SD card
Laser	•	•	•
Software	IR Report	IR Report	IR Report

Operating temperature: –15 °C to 50 °C
Humidity: 10% to 90 % non condensing
Protection: IP54 IEC 529
Shock: 25G IEC 68-2-29
Vibration: EG IEC 68-2-6
Weight: 750 g
Dimension: 211 x 80 x 195 mm
Tripod mounting: 1/4"
Warranty: one year
Battery Type: LI-Ion rechargeable, field replaceable
Battery run time: 2.5 Hrs continuos

Included accessories

Each IT*c* camera is supplied with standard optic optics, LCD display and laser, lens protection, battery charger 110/230V, Li-Ion rechargeable battery, USB and video cable, software package, SD card, calibration certificate, user manual and robust transport case.
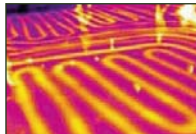
Ordering Information

IT*c* series Thermal imager
ITc 25 Thermal Imager
IT*c* 60D Thermal imager, DuoVision
IT*c* 60HD Thermal imager, DuoVision

Accessories

In-car charger
Lens wide angle 28° x 21°
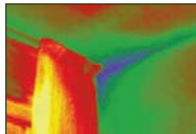Lens telescope 6.4° x 4.8°
Tripod
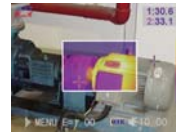
Application Images

Leak Detection
Eurotron Itc series locate possible leaks in underfloor heating installation not visible to the naked eye

Insulation
Eurotron Itc series locate missing insulation and energy loss through the window. Action need to be taken to reduce further energy loss.

Moisture detection
Accurately detect risk of mould in ceilings, behind wall or under carpets.

Picture-in Picture (DUO VISION)
Enable you to see an Infrared picture "overlapped" to the digital image.

Eurotron Instruments UK

eurotron
"Excellence in measurements"

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