

10

MEASURING



ELECTROTECHNICAL TESTER



REF [107TA7471](#)

- With sound and optical signals
- Checks: conductivity, voltage, polarity
- For cables, coils, accumulators, fuses, diodes, transistors, capacitors and more

ELECTRONIC CIRCUIT TESTER



REF [106TA8990](#)

For 6–24 V test

DIGITAL MULTIMETER



REF [106TA8963](#)

- AC/DC voltage: 600 V
- AC/DC current: 10 A
- Resistance
- Diode check
- LCD display

5-IN-1 AUTORANGE DIGITAL MULTIMETER



REF [129TA7690](#)

- | | |
|---|--|
| <ul style="list-style-type: none"> • AC/DC voltage 1000 V • AC/DC current 10 A • Resistance • Capacitance • Frequency • Duty cycle • Temperature | <ul style="list-style-type: none"> • Humidity • Light • Sound level • Diode test • Auto power off • Data hold • Backlight |
|---|--|



CLAMP METER

REF [127TA3795](#)

- AC/DC voltage: 700 V/1000 V
- AC/DC current: 1000 A
- Resistance
- Frequency
- Diode test
- Auto and manual ranging
- Data hold
- Max diameter: 42 mm
- Jaw lighting
- Auto power off



PEN TYPE METER

REF [129TA7686](#)

- AC/DC voltage: 600 V
- AC/DC current: 200 mA
- Resistance
- Continuity test
- Logic level test
- Data hold
- Auto power off
- Auto and manual ranging



REPLACEMENT TEST LEADS

REF [112TA4869](#)

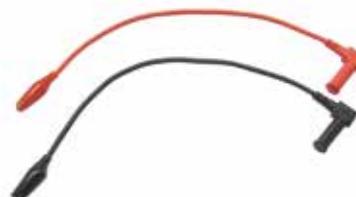
- Hard tips
- Comfort-grip
- Insulated sleeves
- 90° plug
- 1000 V
- 10 A
- Used for REF [127TA3795](#) and REF [129TA7690](#)



TEST LEADS WITH CLIP

REF [112TA4870](#)

- One red, one black
- 90° plugs with insulated grip, cable 250 mm, 250 V – 10 A
- Used for REF [127TA3795](#) and REF [129TA7690](#)



ELECTRONIC TESTER

REF [106TA8957](#)

- Connector for making connections and taking measurements on insulated cables without cutting these or breaking the protective sleeve
- The cable is pierced with a thin needle
- The incision is nearly untraceable and causes no damage to the wiring
- Wedge-shaped base, with a groove on the inside allowing you to insert the needle exactly in the middle of the cable
- Allows for the connection of two types of banana plugs: the traditional version and the secured version
- When unscrewed from the housing, it can be used as a testing point



CIRCUIT TESTER

REF [106TA8958](#)

- Voltages: 6 – 12 – 24 V
- Test connection with tester tips (+) and 10 A clamp (-)



DIGITAL VOLTMETER

REF [106TA8959](#)

- Digital voltmeter that tests batteries, alternators and regulators
- 12–24 V





FLUKE® 175 – DIGITAL MULTIMETER

Versatile meters for field service or bench repair

These meters have the features needed to find most electrical, electromechanical and heating and ventilation problems.

They are simple to use and have significant improvements over Fluke's original 70 Series like True RMS, more measurement functions, conformance to the latest safety standards, and a much larger display that is easier to view.



Features:

True RMS measurements	AC
Digital display counts, updates 4 times per second	6000
Analog bargraph/33 segments, updates 40 times per second	✓
Auto and manual ranging	✓
Display hold and AutoHOLD®	✓
Min-Max-Average recording mode with Min/Max Alert	✓
Smoothing mode allows filtering of rapidly changing inputs	✓
Audible continuity and diode test	✓
Test lead alert	✓
Unsafe voltage alert warns for voltages above 30 V	✓
Low battery indication	✓
Ergonomic case with integrated holster	✓
Easy battery and fuse exchange without opening the complete case	✓
Selectable sleep mode preserves battery life	✓

Specifications:

Functions	Max range	Max resolution	Accuracy
Voltage DC	1000 V	0,1 mV	±(0,15% + 2)
Voltage AC	1000 V	0,1 mV	±(1,0% + 3)
Current DC	10 A	0,01 mA	±(1,0% + 3)
Current AC	10 A	0,01 mA	±(1,5% + 3)
Resistance	50 MΩ	0,1 Ω	±(0,9% + 1)
Capacitance	10 000 μF	1 nF	±(1,2% + 2)
Frequency	100 kHz	0,01 Hz	±(0,1% + 1)
Temperature	-40 °C to 400 °C	0,1 °C	

Accuracies are best accuracies for each function

REF [131TA8447](#)

Fluke® 175

- Battery life: 200 hours typical (alkaline)
- Size (H x W x D): 190 x 85 x 45 mm
- Weight: 0,42 kg
- Warranty: lifetime



On all inputs



Included accessories:

Test leads with 4 mm lantern tips and protective cap, installed 9 V battery and user's manual.

Recommended accessories:



REF [131TA8448](#)
C90

REF [131TA8445](#)
i1010

REF [134TA8375](#)
TLK220 eur

FLUKE®

TVH is an official Fluke® dealer



FLUKE® 115 – DIGITAL MULTIMETER

Compact design for ergonomic one-handed operation

An everyday multimeter for technicians, the 115 is for electrical and electronic testing in field service, industrial, and applications where more than the basic functions simplify work.

Features:

True RMS readings	AC
Counts	6000
Backlight	✓
Analog bargraph	✓
Min/Max/Average to record signal fluctuations	✓
Resistance, continuity	✓
Frequency, capacitance, diode test	✓
Display hold	✓
Auto/manual ranging	✓
Low battery indication	✓
Compact case with removable holster	✓

Specifications:

Functions	Max range	Max resolution	Accuracy
Voltage DC	600 V	1 mV	±(0,5% + 2)
Voltage AC	600 V	1 mV	±(1,0% + 3)
Current DC	10 A	1 mA	±(1,0% + 3)
Current AC	10 A	0,01 A	±(1,5% + 3)
Resistance	40 MΩ (113: 60 KΩ)	0,1 Ω	±(0,9% + 1)
Capacitance	10 000 μF	1 nF	±(1,9% + 2)
Frequency	50 kHz	0,01 Hz	±(0,1% + 2)

Accuracies are best accuracies for each function.



REF [126TA6025](#)

Fluke® 115

- Battery life: 400 hours typical (9 V alkaline)
- Size (H x W x D): 167 x 84 x 46 mm
- Weight: 0,55 kg
- Warranty: 3 years



On all inputs



Included accessories:

Test leads with 4 mm lantern tips and protective cap, holster, installed 9 V battery and user's manual.

Recommended accessories:



REF [131TA8444](#)
C50

REF [131TA8446](#)
TPAK

REF [140TA7507](#)
TL223-1

FLUKE®

TVH is an official Fluke® dealer



FLUKE® 233 – REMOTE DISPLAY DIGITAL MULTIMETER

Ultimate flexibility with removable display

Imagine the possibilities!

The 233 wireless remote DMM allows maintenance professionals to address an age-old problem: display positioning.

You struggled with:

- Twisting uncomfortably to read the display and keep the probes in place
- Wishing for a third hand while taking a measurement
- Running from one place to another to take a measurement
- Needing a second person to read the display, while they were flipping the switch
- Focusing on the display, while making sure the probes stayed in the right place

Now, your problems are over.

The Fluke® 233 can be used for even the most common metre measurements and is especially suited for those situations where display viewing is challenging.



Key features and benefits:

- True RMS AC voltage and current for accurate measurements on non-linear signals
- Measure up to 1000 V AC and V DC
- Measure up to 10 A (20 A for 30 seconds)
- 10 000 µF capacitance range
- Frequency to 50 kHz
- Convenient built-in thermometer allows you to take temperature readings without having to carry a separate instrument
- Resistance, continuity and diode test
- Low-power wireless technology allows the display to be carried up to 10 meters (33 ft) away from the point of measurement for added flexibility. No interference with measurements
- The removable magnetic display can be conveniently mounted where it is easily seen
- Take measurements without holding the meter to improve visual focus on probes and augment safe electrical measurements
- Use as a conventional multimeter when the display is connected
- Radio transmitter automatically turns off when the display is connected to the meter
- Auto power off maximizes battery life
- Min/Max and Average recording to capture variations automatically
- Test continuity and diodes
- Easy to read display with large digits and bright backlight

REF 135TA3042

Fluke® 233

- Battery life: 400 hours (AA-batteries)
- Size (H x W x L): 53 x 93 x 193 mm
- Weight: 0,604 kg
- Warranty: 3 years

Included accessories:

AA-batteries (installed), test leads with 4 mm lantern tips, AC172 alligator clips, 80BK-A temperature probe, CD-ROM (user manual, technical notes and application images)

Recommended accessories:



REF 131TA8467
AC285



REF 107TA1224
TL220-1



REF 131TA8446
TPAK



REF 131TA8445
i1010

FLUKE®

TVH is an official Fluke® dealer



FLUKE® 375 – CLAMP METER

Be ready for anything

With True RMS AC voltage and current measurements, the Fluke 375 clamp meter can read up to 600 V and 600 A in both AC and DC modes, and is capable of frequency measurement up to 500 Hz.

Additionally, the 375 is compatible with the new iFlex flexible current probe (sold separately), which expands the measurement range to 2500 A AC (no DC).

Features:

True RMS	✓
Display backlight	✓
Display hold	✓
Low pass filter	✓
Inrush current mode	✓
Large jaw	✓
AC/DC current	✓
AC/DC voltage	✓

Specifications:

Functions	Range	Accuracy
Current AC	0–600 A	2% ±5 digits
Current DC	0–600 A	2% ±5 digits
Inrush	100 mS	
Voltage AC	0–600 V	1,5% ±5 digits
Voltage DC	0–600 V	1% ±5 digits
Resistance	60 kΩ	1% ±5 digits
Capacitance	1 μF to 1000 μF	1,9% ±2 digits
Continuity		≤ 30 Ω



REF [138TA3969](#)

Fluke® 375

- Size (H x W x D): 248 x 85 x 45 mm
- Weight: 0,375 kg
- Warranty: 3 years for electronics, 1 year for cable and clamp assembly



Included accessories:

Soft carrying case, test leads, 2 AA alkaline batteries, coated instruction card and safety information sheet.

Recommended accessories:



REF [138TA3971](#)

i2500-10
10 inch iFlex (250 mm)
Flexible current probe



REF [138TA3972](#)

i2500-18
18 inch iFlex (450 mm)
Flexible current probe



REF [131TA8467](#)

AC285



REF [140TA7507](#)

TL223-1

FLUKE®

TVH is an official Fluke® dealer



TLK282-1 SUREGRIP™ DELUXE AUTOMOTIVE TEST LEAD KIT

REF [131TA8462](#)

Contents:

- TP81 insulation piercing clip set
- TP40 automotive back probe pins (five)
- TL224 SureGrip™ silicone test lead set
- TP238 SureGrip™ insulated test probe set
- AC220 SureGrip™ alligator clip set
- AC285 SureGrip™ large jaw alligator clip set
- AC280 SureGrip™ hook clip set
- Soft case



FLUKE

TL75-1 HARD POINT™ TEST LEAD SET

REF [112TA4865](#)

- One pair (red, black) comfort grip probes with PVC insulated test leads with right-angle shrouded banana plugs
- Recommended for general purpose measurements
- CAT II 1000 V, 10 A rating. UL listed



FLUKE

TL224 SUREGRIP™ SILICONE TEST LEAD SET

REF [129TA7685](#)

- DMM test leads (red, black) with safety shrouded, standard diameter banana plugs
- Right-angle connector on one end and straight connector on the other
- Reinforced strain relief
- 1,5 meter silicone-insulated wire resists heat & cold
- CAT IV 600 V, CAT III 1000 V, 10 A rating. UL listed



FLUKE

TP220-1 SUREGRIP™ TEST PROBE SET

REF [112TA4863](#)

- One pair (red, black) of industrial test probes
- Sharp, 12 mm stainless steel tip provides reliable contact
- Flexible finger barrier improves grip
- Recommended for use with TL222 and TL224 test leads
- CAT II 1000 V, 10 A rating. UL listed



FLUKE



TP74 LANTERN TIP TEST PROBE SET



REF [131TA8464](#)

- One pair (red, black)
- Tips include banana-style spring contacts with nickel-plated brass ends
- CAT III 1000 V, 10 A rating. UL listed

FLUKE

AC283 SUREGRIP™ PINCER CLIP SET



REF [131TA8466](#)

- One pair (red, black) of nickel-plated pincers open to 5 mm
- 114 mm flexible insulated shaft
- Recommended for use with TL222 and TL224 test leads
- CAT IV 600 V, CAT III 1000 V, 1 A rating. UL listed

FLUKE

TOOLPAK (TPAK)



REF [131TA8446](#)

- The meter hanging solution
- Combine components to meet most hanging needs

Contents:

- Universal hanger clips (2)
- Hook & loop straps (2 lengths)
- Strong magnet

FLUKE



DIGITAL VERNIER CALIPER



REF [138TA6557](#)

- Max measuring length: 150 mm
- Reading to 0,01 mm (0,0005")
- Length: 225 mm

Beta
Beta Utensil S.p.A. Authorized Dealer

FORK CALLIPER



REF [107TA4779](#)

To test any fork to wear

ANALOGUE VERNIER CALLIPER



REF [131TA6365](#)

- Metric + inch version
- 0-150 mm
- Reading to 0,05 mm
- Reading 1/128"

THREAD GAUGE



REF [107TA5460](#)

Metric and Whitworth



PRESSURE GAUGE



REF [107TA1980](#)

To check the back pressure between the engine and the catalyst



INFRARED THERMOMETER

REF 129TA7691

- Temperature range from -20 °C to 537 °C
- Backlight LCD display
- Auto power off 10 sec.
- Automatic range
- Circular twelve dots laser targeting
- °C/°F display selection
- Hold function



FLUKE® 62 MAX+ – INFRARED THERMOMETER

Takes the heat and the dust, water and 3-meter drop

Temperature is often the first indication of potential problems in electrical and mechanical applications.

But how can you easily determine if an electrical panel has a hot spot, a motor is overheating or an HVAC system is inefficient? The answer is: with an infrared thermometer. With handheld, non-contact IR thermometers, you can instantly measure equipment temperatures in hard-to-reach or hazardous areas.

And with early detection of abnormal temperatures comes early correction of problems!

- Dust- and water-resistant: IP54 rated for dust and water resistance.
- Rugged: 3-meter drop tested.
- Ergonomically designed: completely redesigned for a more comfortable hand fit.
- Small in size: small and lightweight, clips to your toolbelt or belt loop or easily fits into your toolbox.
- Distance to spot: precise laser technology makes for more accurate and repeatable measurements.
- Dual lasers: the 62 MAX+ has dual rotating lasers to help you identify the area to be measured. The measurement area is the spot between the dots.
- Large backlit display: large screen makes data easier to read, even in dark areas.
- Min/Max/Avg/Dif: displays the minimum, maximum or average temperature, or the difference between two measurements.
- Alarm: Hi and Lo alarms for rapid display of measurements outside the limits.
- Power: powered by a single, standard AA battery.



REF 140TA7499

Fluke® 62 MAX+

- Size (H x W x D): 175 x 85 x 75 mm
- Weight: 0,26 kg
- Warranty: 3 years

Included accessories:

Carbon clip

Features:

Temperature range	-30 °C to 650 °C (-22 °F to 1202 °F)
Accuracy	±1 °C or ±1,0% of reading ±2,0 °C at -10 °C to 0 °C ±3,0 °C at -30 °C to -10 °C
Response time	<300 ms (95% of reading) Spectral response: 8 to 14 microns Emissivity: 0,10 to 1,00
Optical resolution	12:1 (calculated at 90% energy)
Display resolution	0,1 °C (0.2 °F)
Repeatability of readings	±0,5% of reading or <±0,5 °C (1 °F) whichever is greater
Power	AA battery

FLUKE®

TVH is an official Fluke® dealer

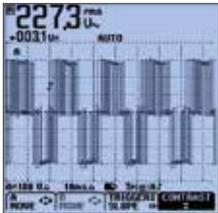


FLUKE® 123 – SCOPEMETER

Three-in-one simplicity

The compact ScopeMeter® 120 series is the rugged solution for industrial troubleshooting and installation applications. It is a truly integrated test tool, with oscilloscope, multimeter and “paperless” recorder in one easy-to-use instrument. Find fast answers to problems in machinery, instrumentation, control and power systems.

- Dual-input 20 MHz digital oscilloscope
- Two 5000 counts True RMS digital multimeters
- A dual-input TrendPlot™ recorder
- Connect-and-View™ trigger simplicity for hands-off operation
- Shielded test leads for oscilloscope, resistance and continuity measurements
- Up to 7 hours battery operation
- 600 V CAT III safety certified
- Optically isolated interface for PC and printer connection (optional)
- Rugged, compact case



Connect-and-View™ captures even the most complex motor drive signals.

Connect-and-View™ triggering for an instant, stable display
Wrong settings show unstable and sometimes wrong results. Fluke’s unique Connect-and-View™ recognizes signal patterns, and automatically sets up correct triggering. It provides a stable, reliable and repeatable display of virtually any signal – including motordrive and control signals – without touching a button. Signal changes are instantly recognized and settings adjusted for – once again – a stable display.

Use TrendPlot™ to help find intermittences fast

Intermittences can be caused by bad connections, dust, dirt, corrosion or simply broken wiring or connectors. In this “paperless recorder” mode, you can plot the minimum and maximum peak values and average over time, up to 16 days.



REF [131TA8457](#)

Fluke® 123

- Battery life: 7 hours (alkaline)
- Size (H x W x D): 232 x 115 x 50 mm
- Weight: 1,2 kg
- Warranty: 3 years



Included accessories:

PM 8907 line adapter/charger, STL120-III shielded test leads set (1 red, 1 grey) including hook clips, BB120 shielded BNC adapter, BP120MH NiMH battery pack, TL175 Safe-guard testlead, Getting Started booklet, user’s manual (CD-ROM)

Recommended accessories:



REF [131TA8459](#)
SCC120



REF [131TA8460](#)
C125



REF [131TA8458](#)
SCC128

REF [134TA8727](#)

Kit 123/S

Contents:

REF [131TA8457](#)
Industrial ScopeMeter® (20 MHz) +

REF [131TA8459](#)
SCC120 kit



FLUKE®

TVH is an official Fluke® dealer



FLUKE® TI100 AND TI105 – THERMAL IMAGERS

The lightest, most rugged and easiest-to-use thermal imager

A Fluke thermal imager can save you time and money by finding potential problems before they become costly failures.

With the innovative features and functionality in the Fluke Ti100 imager, you can perform infrared inspections faster and more efficiently and thoroughly document problem areas for additional follow-up.

REF [140TA7524](#)

Fluke® TI100

- Size (HxWxD): 284 x 86 x 135 mm
- Weight: 726 g
- Warranty: 2 years



Thermal imager for industrial and commercial applications

Experience the ultra-sleek intelligent design developed for you! Rugged, ergonomic, lightweight, point-and-shoot, focus-free imager.

Find problems with **IR-Fusion® technology** (picture in picture mode, full IR, Full visible). Illuminate dark places with the integrated torch.

Show where the problems exist with the laser pointer and enjoy non-stop thermal imaging with a field replaceable battery.

So the Fluke TI105 has all the features you need to perform inspections faster and easier. A thermal imager designed with you in mind.

REF [140TA8750](#)

Fluke® TI105

- Size (HxWxD): 284 x 86 x 135 mm
- Weight: 726 g
- Warranty: 2 years



Included accessories:

SmartView® software, AC power adapter, lithium ion smart battery (1), USB cable, 2 GB SD memory card, hard carrying case, soft transport bag, adjustable hand strap (left- or right-handed use), user manual and warranty registration card.

Recommended accessories:



REF [140TA8977](#)
FLK-TI-SBP3
Extra rechargeable battery



REF [140TA8978](#)
TI-CAR CHARGER
Vehicle charger

FLUKE®

TVH is an official Fluke® dealer



FLUKE® TI100 AND TI105 – THERMAL IMAGERS

Specifications	TI100	TI105
Temperature measurement range	-20 °C to 250 °C	-20 °C to 250 °C
Temperature measurement accuracy	±2 °C or 2% (at 25 °C nominal, whichever is greater)	±2 °C or 2% (at 25 °C nominal, whichever is greater)
Field of view	22,5°H x 31°V	22,5°H x 31°V
Spatial resolution	3,39 mRad	3,39 mRad
Minimum IR focus distance	1,2 m	1,2 m
Focus mechanism	Focus-free 1,2 m and beyond	Focus-free 1,2 m and beyond
IR resolution (FPA size)	160 x 120 FPA uncooled microbolometer	160 x 120 FPA uncooled microbolometer
Thermal sensitivity	≤0,10 °C at 30 °C target temp. (100 mK)	≤0,10 °C at 30 °C target temp. (100 mK)
Minimum span (in manual mode)	2,5 °C	2,5 °C
Minimum span (in auto mode)	5 °C	5 °C
IR-Fusion® technology	Full infrared only	Full infrared, PIP 1,2 m to 4,6 m, Full visible
Spectral band	7,5 µm to 14 µm (long wave)	7,5 µm to 14 µm (long wave)
Standard palettes	Blue-Red, Ironbow, Grayscale, Amber	Blue-Red, Ironbow, Grayscale, Amber
LCD display	3,5 inch diagonal (portrait format)	3,5 inch diagonal (portrait format)
Visible camera		2 megapixel industrial-grade
User definable spot markers	in SmartView® only	in SmartView® only
Level and span control	Manual and auto	Manual and auto
Emissivity correction	Yes	Yes
Background (reflected) compensation	Yes	Yes
Laser pointer	Yes	Yes
Torch		Yes
Memory storage	2 GB SD memory card	2 GB SD memory card
Direct download capability	Mini USB download direct to PC	Mini USB download direct to PC
Memory review	Thumbnail review	Thumbnail review
Field replaceable battery	1 lithium-ion	1 lithium-ion
Battery life	4+ hours (each)	4+ hours (each)
Charging power supply	Yes	Yes
Drop test	2 meter	2 meter
Ingress protection (IP) rating	IP54	IP54
Operating temperature range	-10 °C to 50 °C	-10 °C to 50 °C
Operating humidity	Operating and storage 10% to 95% - Non-condensing	Operating and storage 10% to 95% - Non-condensing
Storage temperature range	-20 °C to 50 °C	-20 °C to 50 °C
Extended warranty and service plans	Yes	Yes
Recommended calibration cycle	2 years	2 years
User manuals	Czech, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Dutch and Hungarian	Czech, English, Finnish, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Dutch and Hungarian



CAR ELECTRONIC TESTER



REF [106TA8960](#)

- Battery, alternator and regulator tester
- 12 V

BATTERY MEASURING



PRESSURE MEASURING KIT

REF 134TA2344

This diagnostic service case has all the required components to diagnose the hydraulics on your machine.

Contents:

All these items are included in a very durable ABS case

- Test points in various dimensions: M8 – M10 – M12 – M14.
There are also test points with adaptors included to fit inside your machine
- Test hoses in different lengths: 1 hose with length 1,5 m and 2 hoses with length 1 m
- Hose caps in various dimensions to diagnose your piston pump
- Analog pressure gauges with different ranges: 1 pressure gauge with a 0–600 bar range and 2 pressure gauges with a 0–60 bar range

Other test points, test hoses and pressure gauges are available from stock. Please contact the sales department.





XENON TIMING LIGHT

REF 131TA6366

- The xenon timing light allows the dynamic ignition timing to be set. Includes inductive pickup for simple connection.
- Suitable for any petrol engine vehicle with 12 V ignition system including electronic types where applicable, though some ignition systems are not externally adjustable.
- Indicates ignition timing and allows adjustment to manufacturer's specification. Inductive pick-up clips directly on the ignition HT lead. Powered by vehicles own 12 V battery.
- The special xenon bulb provides the ultrabright flash needed to see engine timing marks under normal daylight or bright workshop conditions.
- Operates on all 12 V ignition systems
- Xenon bulb providing brilliant blue/white
- 1 000 000 flash capacity
- Automotive reverse polarity and overload protection
- Inductive pickup
- Replaceable xenon flash tube



SMOKE TEST SET

REF 106TA6388

- Determines efficient combustion and is internationally recognized as the standard method for evaluating smoke density in the flue gases from distillate fuels. Too much smoke is one of the most common causes of excessive fuel usage and expensive service requirements.
- That is precisely why the smoke test set is an indispensable part of any oil burner service job; and with the tester, an accurate smoke reading takes less than a minute. The 10 spots on the scale range in equal photometry steps from white to black to completely cover any smoke condition which may be experienced on residential or commercial oil burners.



ULTRASONIC DISTANCE METER

REF 129TA7694

- Measurement range: 0,6–15 m
- Red laser
- Calculates area and volume
- Autoconverts feet to metres
- Backlight
- Laser to target the point to which you want to measure





DIGITAL SOUND LEVEL METER

REF 129TA7692

- Measurement range: 30–130 dB
- Frequency range: 30 Hz to 8 kHz
- LCD digital display
- Wide dynamic range
- Backlight
- Date and time display



DIGITAL TACHOMETER

REF 112TA4882

- Contact and non-contact measurements
- Sharp visible laser beam
- Measuring ranges:
 - Revolutions (non contact): 6–99 999 RPM
 - Revolutions (contact): 6–25 000 RPM
 - Revolutions (counter): 1–99 999 rev
 - Surface speed:
 - 1–3810 m/min
 - 36–99 999 inches/min
 - 3–12 500 ft/min
 - 1–4167 yd/min
 - Length:
 - 0,2–99 999 m
 - 0,5–99 999 ft
 - 0,01–99 999 yd
- Accuracy:
 - $\pm 0,01\% \pm 1$ digit
 - $\pm 0,4\% \pm 1$ digit (speed and length)
- Memory system: 14 readings (including: last, average, max and min)
- Sharp visible laser beam
- Auto power off
- Over range indication
- Carrying case, LC adapter, 3 batteries, 1 rubber tip, 1 rubber funnel, 1 rubber measuring wheel, 35 self-adhesive reflective tapes, manual in German and English included



HANDYMAN – COMPONENT TESTER

REF 106TA1494

- Fast accurate testing of SCR's, diodes
- Capacitors
- Transistors
- FETS





CARBON MONOXIDE ANALYZER

REF 106TA6390

The CO analyzer is a hand-held instrument designed to locate CO in ambient air as well as in stack gases. The continuous sampling instrument quickly and accurately measures levels of CO between 0 and 2000 ppm.

This is also available in a high range version (0–85 000 ppm) for vehicle emission testing and forklift tuning.

Features:

- Quickly measures and displays low levels of CO 0–2000 ppm
- Measures in increments of 1 ppm
- Multi-purpose strap for easy holding
- Probe and hose assembly for flue gas testing
- Highly visible digital display with backlight

Typical applications:

- CO safety checks on combustion stack gas and ambient air levels
- Analyzing indoor air quality and safety
- Furnace and boiler servicing or replacement



FLUKE® 414D – LASER DISTANCE METER

Measure 50 metres without moving at all

Put the Fluke 414D on your tool belt and reach beyond the common tape measure – up to 50 metres.

This professional-grade laser distance meter is fast and easy to use, improving accuracy and reducing measurement errors. You'll save time and money at every step. The most advanced laser technology for distance measurement.



Features:

Simple one-button operation to instantly measure distance between two objects	√
Bright laser for easy targeting even at longer distances	√
Quick calculation of area (square feet/meters) and volume.	√
Easy addition and subtraction function	√
Pythagoras calculation for determining distance indirectly from two other measurements	√
Two-line display with display hold (until next button is pressed)	√
Minimum/maximum function	√
Improved battery life from automatic shut-off feature	√

Specifications:

Range	50 m
Accuracy	±2 mm
Memory	5 measurements
Battery life	Up to 3000 measurements
Automatic laser off	After 90 seconds
Automatic power off	After 180 seconds
Operating temperature	0 °C to 40 °C
Storage temperature	-25 °C to 70 °C
Maximum altitude	3000 m

REF 140TA9089

Fluke® 414D

- Size (H x W x D): 116 x 53 x 33 mm
- Weight: 0,113 kg
- Warranty: 3 years

Included accessories:

Two AAA batteries, users manual on CD (17 languages), quick reference guide, vinyl carrying pouch, lanyard.

FLUKE®

TVH is an official Fluke® dealer



HYDRAULIC PUMP TESTER



REF **134TA2638**

(Old: 74/9556-902)

- Uni-directional flow meters offer an economical solution for measuring fluid flow in a wide range of applications
- 240 bar
- 3/4"
- 15–190 LPM

DRAIN INDICATOR



REF **143TA5651**

(Old: 74/9556-901)

DRAIN INDICATOR



REF **143TA5652**

(Old: 74/9556-903)



HYDRAULIC PUMP TESTER

REF **134TA2637**

(Old: 74/9556-962)

- The test kit provides the service engineer with quick, accurate and simple performance testing of pumps, motors, valves, steering systems, cylinders and complete hydraulic circuits
- The kit comprises of a direct acting flow indicator with built-in thermometer, a loading valve and a pressure gauge all built into a strong steel case with a removable lid
- No batteries required
- Large, clear, easy to read dials
- Installation is extremely easy
- 10–200 l/min
- Pressures up to 220 bar
- Built-in thermometer
- Allows reverse flow



DIGITAL HYDRAULIC TESTER

REF **134TA2639**

(Old: 74/9556-963)

- A simplified digital hydraulic tester with a single ON/OFF switch
- Measures flow, temperature and pressure in one robust unit

Technical overview:

- Flows up to 800 lpm (210 US gpm)
- Pressure up to 480 bar (7000 psi)
- Temperature up to 120 °C (250 °F)



DIGITAL HYDRAULIC TESTER

REF **143TA5672**

(Old: 74/9556-746)





PRESSURE GAUGE



REF **143TA5653**

(Old: 74/9556-938)

- Pressure: 10 bar
- Diameter: 63 mm
- Thread: 1/4" BSP

PRESSURE GAUGE



REF **143TA5654**

(Old: 74/9556-939)

- Pressure: 20 bar
- Diameter: 63 mm
- Thread: 1/4" BSP

PRESSURE GAUGE



REF **143TA5655**

(Old: 74/9556-940)

- Pressure: 40 bar
- Diameter: 63 mm
- Thread: 1/4" BSP

PRESSURE GAUGE



REF **143TA5656**

(Old: 74/9556-941)

- Pressure: 70 bar
- Diameter: 63 mm
- Thread: 1/4" BSP



PRESSURE GAUGE



REF [143TA5657](#)

(Old: 74/9556-942)

- Pressure: 135 bar
- Diameter: 63 mm
- Thread: 1/4" BSP

PRESSURE GAUGE



REF [143TA5662](#)

(Old: 74/9556-753)

- Pressure: 100 bar
- Diameter: 63 mm
- Thread: 1/4" BSP

PRESSURE GAUGE



REF [143TA5663](#)

(Old: 74/9556-754)

- Pressure: 160 bar
- Diameter: 63 mm
- Thread: 1/4" BSP

PRESSURE GAUGE



REF [143TA5658](#)

(Old: 74/9556-943)

- Pressure: 200 bar
- Diameter: 63 mm
- Thread: 1/4" BSP



PRESSURE GAUGE

REF **143TA5664**

(Old: 74/9556-755)

- Pressure: 250 bar
- Diameter: 63 mm
- Thread: 1/4" BSP



PRESSURE GAUGE

REF **143TA5659**

(Old: 74/9556-944)

- Pressure: 400 bar
- Diameter: 63 mm
- Thread: 1/4" BSP



PRESSURE GAUGE

REF **143TA5660**

(Old: 74/9556-945)

- Pressure: 420 bar
- Diameter: 63 mm
- Thread: 1/4" BSP



PRESSURE GAUGE

REF **143TA5661**

(Old: 74/9556-961)

- Pressure: 600 bar
- Diameter: 63 mm
- Thread: 1/4" BSP





KIT OF 2 PRESSURE GAUGES



REF [143TA5665](#)

(Old: 74/9556-930)

- 0–40 bar (500 psi)
- 0–400 bar (5800 psi)

KIT OF 4 PRESSURE GAUGES

REF [143TA5666](#)

(Old: 74/9556-931)

- Provides a complete test system for rapid pressure testing
- Pressure test points can be fitted anywhere in the circuit for instant pressure checks saving installation costs of piping and gauges

Delivered with:

- 4 gauges: 20 – 70 – 210 – 400 bar
- 2 hoses: 2 metres long
- 4 test points: 2 x 1/8" BSPF – 2 x 1/4" BSPF
- 3 adaptators: 3/8" BSPF – 1/2" BSPF – 9/16" JIC
- 1 metal case



KIT OF 6 PRESSURE GAUGES



REF [143TA5667](#)

(Old: 74/9556-932)

- 1 x 10 bar
- 2 x 40 bar
- 1 x 70 bar
- 2 x 100 bar

KIT OF 8 PRESSURE GAUGES



REF [143TA5668](#)

(Old: 74/9556-933)

- 1 x 10 bar
- 2 x 40 bar
- 3 x 210 bar
- 2 x 400 bar



HANDHELD HYDRAULIC READOUTS AND DATALOGGERS



REF [143TA7407](#)
(Old: 74/9556-980)

PRESSURE TRANSDUCER



REF [143TA7408](#)
(Old: 74/9556-1261)

CONNECTION CABLE

Picture not
yet available

REF [143TA7409](#)
(Old: 74/9556-1262)
Length: 2 m

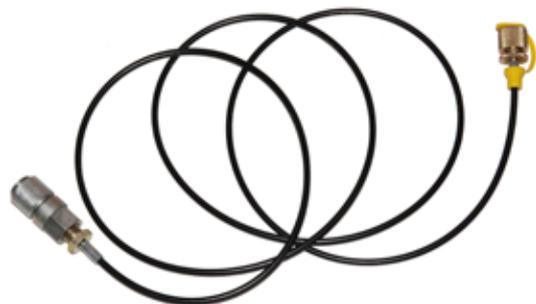
HOSES MICRO FLEXIBLE PUSH-PULL

REF [143TA5678](#)
(Old: 74/9556-937)

- Max 400 bar
- Length: 1,85 m

REF [143TA5679](#)
(Old: 74/9556-947)

- Max 400 bar
- Length: 2,4 m





COUPLINGS

Sizes	REF	
M14 x 1,5	143TA5680	(Old: 74/9556-948)
M16 x 2	143TA5681	(Old: 74/9556-949)
1/8" BSPF	143TA5682	(Old: 74/9556-950)
1/4" BSPF	143TA5683	(Old: 74/9556-951)
1/8" BSPT	143TA5684	(Old: 74/9556-952)
1/4" BSPT	143TA5685	(Old: 74/9556-953)
7/16" UNF	143TA5686	(Old: 74/9556-954)

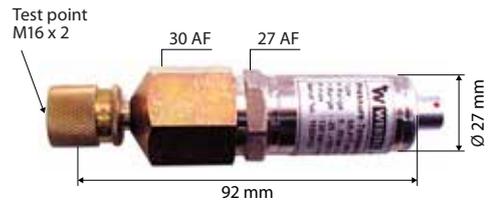


COUPLINGS

Sizes	REF	
M18 X 1,5 to 1/8" BSPM/F	143TA5687	(Old: 74/9556-956)
1/2" BSP to 1/8" BSPM/F	143TA5688	(Old: 74/9556-957)
3/8" BSP to 1/8" BSPM/F	143TA5689	(Old: 74/9556-958)
7/8" JIC to 1/8" BSPF	143TA5690	(Old: 74/9556-959)
9/16" JIC to 1/8" BSPF	143TA5691	(Old: 74/9556-960)

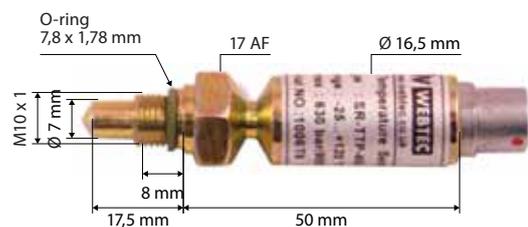


PRESSURE SENSOR



REF [143TA5673](#)
(Old: 74/9556-748)

TEMPERATURE SENSOR



REF [143TA5674](#)
(Old: 74/9556-749)



SPEED SENSOR



REF [143TA5675](#)
(Old: 74/9556-750)

TURBINE MEASURE FLOW + VALVE



REF [143TA5676](#)
(Old: 74/9556-965)

TURBINE MEASURE FLOW



REF [143TA5677](#)
(Old: 74/9556-751)