

## New Product Announcement



**Your customers will solve more problems with a new Fluke 87V meter.**

Industrial electricians, technicians and engineers can use the 87V to solve more problems on adjustable speed motor drives, plant automation, power distribution and electro-mechanical equipment.

# Fluke 80 Series V Digital Multimeters

Accuracy and diagnostic functions for maximum industrial productivity

# 80 Series V Digital Multimeters



## 80 Series V meters include:

- TL75 test leads.
- AC72 alligator clips.
- Removable holster.
- 9V battery (installed).
- Operators guide.
- CD-ROM with user manuals.
- Temperature probe (87 only).

## New features for maximum productivity

- Unique function for accurate voltage and frequency measurements on adjustable speed motor drives and other electrically noisy equipment\* (87V)
- Built-in thermometer conveniently allows you to take temperature readings without carrying a separate instrument (87V)
- Optional magnetic hanger for easy setup and viewing while freeing your hands for other tasks
- Large digit display with bright, two-level backlight makes the 80 Series V significantly easier to read than older models
- Withstands hazardous 8,000 volt spikes caused by load switching and faults on industrial circuits and complies with second edition IEC and ANSI electrical safety standards

## Save time maintaining adjustable speed motor drive systems with the 87V

- Pinpoint problems faster with the new 87V. Correctly measures the pulse width modulated output produced by ASDs
- Accurately measure true-rms ac voltage, current (with optional i410 or i1010 current clamp accessories) and frequency at the motor and at the drive terminals

\*Patent pending

## Fluke 87V/E Industrial Electrician Combo Kit

Same functions and specs of 87V

Includes following accessories:

- TL222 1.5 meter heat resistant silicone test leads
- TP238 removable test probes with 4 mm of exposed metal for use on industrial circuits
- AC220 retractable long-reach alligator clips
- Magnetic hanger for attaching to metal surface
- 80BK temperature probe
- C800 durable carrying case

**\$50 savings compared to individual purchase price.**

\* Patent pending



## 80 Series V features

83V

87V

True-rms ac voltage and current for accurate measurements on non linear signals		•
Selectable filter for accurate voltage and frequency measurements on motor drives		•
0.05% dc accuracy		•
4-1/2 digit mode for precise measurements		•
Built-in thermometer lets you carry one less tool		•
Large display digits and two-level bright white backlight for increased visibility	•	•
10,000 µF capacitance range for components and motor caps	•	•
Peak capture to record transients as fast as 250µs		•
Measure up to 1000 V ac and dc	•	•
Measure up to 10A, 20A for up to 30 seconds	•	•
Auto and manual ranging for maximum flexibility	•	•
Analog bargraph	•	•
Resistance, continuity and diode test	•	•
Frequency to 200 kHz and % duty cycle	•	•
Min/Max/Avg recording to capture variations automatically	•	•
Relative mode to remove test lead resistance from low ohms measurements	•	•
Improved sleep mode for long battery life	•	•
Access door for fast battery changes without breaking the calibration seal	•	•
Limited lifetime warranty	•	•
Removable holster with built-in test lead and probe storage	•	•
Cat IV 600 V and Cat III 1000 V electrical safety ratings	•	•
Bead type thermocouple temperature probe		•

**LVD1 Volt Light**

- LED flashlight and voltage detector in one compact design
- Dual level detection to differentiate being near ac voltage (blue light) and being at the source (red light)
- 40 V ac to 300 V ac
- Comes with clip to attach to baseball hat or tool bag
- 100,000-hour bulb
- Comes in eye-catching self-liquidating counter display that holds five volt lights (must order in multiples of five)



**TL238 SureGrip™ Test Lead Set for High Energy Environments**

A great product for those customers who work in high-energy environments. The test probes have insulated tips with less than 4 mm of exposed metal, to lessen risk of arc flash explosion. Probe extenders, when attached to modular test probes, keep your hands 12 in. from the contact point and comply with the NFPA regulation. Includes:

- TP238 SureGrip Insulated Test Probes.
- TP280 Test Probe Extenders.
- TL224 SureGrip Silicone Right Angle/Straight Test Leads.



**H80M Holster with Magnetic Strap for 80 Series DMMs**

This NEW holster is designed to give 80 Series DMM owners something they couldn't have before – the use of Fluke's Magnetic Hanging System. Includes:

- Easy-to-clean, vinyl snap-on holster to absorb shocks and protects meter, with lead and probe storage in the back.
- Three-piece magnetic hanging system (clip to attach to the holster, Velcro strap and magnet).



- i1010-KIT**  
AC/DC Current Clamp with Meter Carry Case
- 80i-400**  
AC Current Probe
- 80PK-26**  
SureGrip, Tapered Temperature Probe
- 80AK**  
Thermocouple Adapter
- C510**  
Large Leather Meter Case
- C1600**  
Meter Gear Box
- TLK225**  
SureGrip Master Accessory Set
- L210**  
Probe Light and Probe Extender
- PV350**  
Pressure/Vacuum Module
- TPAK**  
Magnetic Hanging Kit

**Product Ordering Information for Distributor Purchasing Agents**

**Single Product Package Dimensions**

Fluke Model No.	Fluke Oracle #	UPC Code	Description	Dimensions	Weight	Country of origin	US list price
<b>80 Series V Multimeters</b>							
FLUKE-87-5	2074974	0 95969 24524 1	Industrial True-rms Multimeter with Temperature	(HxLxW) 24 cm x 8.3 cm x 15.8 cm (9.25 in. x 3.25 in. x 6.25 in.)	0.6 kg (1.3 lbs)	USA	\$349.00
FLUKE-83-5	2075004	0 95969 24525 8	Industrial Multimeter	(HxLxW) 24 cm x 8.3 cm x 15.8 cm (9.25 in. x 3.25 in. x 6.25 in.)	0.6 kg (1.3 lbs)	USA	\$329.00
FLUKE-87-5/E	2105628	0 95969 24526 5	Industrial Electrician Combo Kit	(HxLxW) 36.8 cm x 11.4 cm x 24 cm (14.5 in. x 4.5 in. x 9.25 in.)	2.0 kg (4.5 lbs)	USA	\$399.00
<b>New Fluke Accessories</b>							
TL238	2132831	0 95969 25541 7	SureGrip test lead set for high-energy environments	(HxLxW) 30 cm x 14.4 cm x 4.2 cm (11.8 in. x 5.7 in. x 1.65 in.)	.2 kg (0.4 lbs)	USA	\$45.00
H80M	2138458	0 95969 25725 1	Protective holster with magnetic hanging strap	(HxLxW) 20.5 cm x 10.6 cm x 4.8 cm (8.06 in. x 4.2 in. x 1.89 in.)	.3 kg (.66 lbs)	USA	\$25.00
LVD1	2139415	0 95969 25745 9	Volt light	(HxLxW) 23 cm x 15.5 cm x 2.5 cm (9.06 in. x 6.1 in. x .98 in.)	.1 kg (.22 lbs)	China	\$20.95
<b>Existing Fluke Accessories that complement the 80 Series V Multimeters</b>							
i1010-KIT	2096998	0 95969 24183 0	AC/DC current clamp with meter carrying case	(HxLxW) 25.4 cm x 25.4 cm x 7 cm (10 in. x 10 in. x 2.75 in.)	.68 kg (1.5 lbs)	Thailand	\$269.00
80i-400	736801	0 95969 00936 2	400 amps ac current probe	(HxLxW) 33 cm x 14 cm x 6.3 cm (13 in. x 5.5 in. x 2.5 in.)	.544 kg (1.2 lbs)	France	\$95.00
80PK-26	2098714	0 95969 24271 4	SureGrip tapered temperature probe	(HxLxW) 45.4 cm x 12.4 cm x 2.8 cm (17.87 in. x 4.87 in. x 1.1 in.)	.181 kg (0.4 lbs)	USA	\$70.00
80AK	919860	0 95969 01735 0	Thermocouple adapter accessory	(HxLxW) 5.1 cm x 7.9 cm x 1.65 cm (2.01 in. x 3.12 in. x .65 in.)	.045 kg (0.1 lbs)	USA	\$15.00
C510	1547885	0 95969 08061 3	Large leather meter case	(HxLxW) 30.5 cm x 17 cm x 5.5 cm (12 in. x 6.7 in. x 2.17 in.)	1 kg (2.2 lbs)	USA	\$40.00
C1600	2091049	0 95969 24065 9	Meter gear box	(HxLxW) 26.4 cm x 38 cm x 20.4 cm (10.4 in. x 14.96 in. x 8.03 in.)	1.23 kg (2.7 lbs)	USA	\$29.95
TLK225	2097031	0 95969 24187 8	SureGrip master accessory kit	(HxLxW) 27.3 cm x 10.8 cm x 6.2 cm (10.75 in. x 4.25 in. x 2.44 in.)	.6 kg (1.3 lbs)	USA	\$99.00
L210	2096379	0 95969 24169 4	Probe light and probe extender	(HxLxW) 30 cm x 10 cm x 3 cm (11.8 in. x 3.9 in. x 1.18 in.)	.0554 kg (0.1 lbs)	USA	\$25.00
PV-350	919811	0 95969 01706 0	Pressure vacuum module	(HxLxW) 21.5 cm x 18.8 cm x 6 cm (8.46 in. x 7.4 in. x 2.36 in.)	.68 kg (1.5 lbs)	USA	\$269.00
TPAK	1281997	0 95969 08263 1	Magnetic hanging kit	(HxLxW) 21.27 cm x 5.71 cm x 2.85 cm (8.38 in. x 2.25 in. x 1.1125 in.)	1 kg/ 2.2 lbs.	USA	\$25.00

**Get the information you need to market these products instantly from the Fluke Partner Portal**

**Download digital files from the Fluke Partner Portal, including:**

- Product data sheets
- Press release
- Photos



If you have not already registered for access to the Fluke Partner Portal, please go to <https://support.fluke.com> and select Partner Portal – Fluke Industrial Products from the pull down menu, then click register. Complete the registration form and submit it. Your submittal will be approved within 48 hours, at which time you will receive a confirming e-mail with a reminder of the user name and password you selected. The Fluke Partner Portal may be accessed only by Fluke distributors and sales staff, not end-user customers.

**Ordering Information**

Description	Literature Code	Ordering Information
80 Series V reorder cards for pegboard hooks	2140312	
Fluke laminated counter pad, featuring the 80 Series V and other top selling Fluke products	1264397	Available 6/1/04
Fluke solution center inserts (for spinner display for sales counters; updated with 80 Series V, etc.)	2098415	Available 6/1/04
80 Series V 4-page color brochure	2137638	
80 Series V product data sheet	2137623	
80 Series V product introduction CD-ROM, including photos, press release, specs, etc.	2149622	
80 Series V floor graphic (25" x 35" vinyl sign for showroom floors)	2152033	
87V motor drive data sheet	2151679	

Test Equipment Depot  
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**Fluke.** *Keeping your world up and running.*

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