FLUKE®

ES&E

2025-2026 PRODUCT GUIDE





Fluke Acoustic Imagers

Fast, easy, and safe detection of compressed air and gas leaks With the Fluke ii Series and minimal training, maintenance technicians can begin checking for leaks during their typical maintenance routine—even during peak operation hours.

Reduce the frustration of unplanned downtime in four easy steps:

1. **Locate -** Quickly and easily scan areas and pinpoint where unusual sounds are coming from – even those sounds out of range for human hearing.
2. **Document** - Take a screenshot of the point of interest. Then annotate and tag the photo to define follow-up action and urgency.
3. **Share -** Share the annotated screenshots with our team so they can respond and schedule maintenance
4. **Repair -** Investigate the pinpointed areas further during planned downtime to determine what the problem is and proactively fix it.



Mechanical: First-Line Inspection to Locate Potential Mechanical Issues Early and Avoid Unplanned Downtime

Conveyor systems often pose a maintenance challenge, threatening to disrupt production and cause unplanned downtime. The Fluke ii915 with **MecQ™**, enables efficient scanning of large areas, detecting and documenting potential issues for more targeted maintenance.

Partial Discharge: The Invisible Threat... Now You Can See

Partial discharge, a serious issue that can lead to arc flash fires, blackouts, explosions, and danger to life, is now a visible threat. Whether you are inspecting insulators, transformers, switch gears, or high-voltage powerlines, the Fluke ii915 Acoustic Imager with **PDQ Mode™** is your proactive tool.

New feature!
Ask about the new Sound Beacon. It expands your acoustic imager to locate any leak point in vehicles, aircraft compartments, buildings, and more.







Model	ii500	ii905	ii915
LeakQ™	Scale (1-10)	Leak size scale, leak rate, and leak cost estimation	Leak size scale, leak rate, and leak cost estimation
PDQ Mode™			•
MecQ™			•
Wifi		•	•
Frequency	2 to 52 kHz	2 to 65 kHz	2 to 100 kHz
Detection Range	Up to 50 meters (164 feet)*	Up to 70 meters (230 feet)*	Up to 120 meters (393 feet)*
Visual Camera Resolution	0.3 MP	5.0 MP	5.0 MP
Battery Life	6 hours	6 hours	6 hours
Memory	20 GB	32 GB	32 GB
Tripod Connector		•	•

*Depending on ambient conditions

Fluke BK120 Breaker Finder

The BK120 is a tool for identifying circuit breakers in electrical panels and detecting voltage with NCV mode. It is an essential device for electricians, homeowners, and maintenance professionals, to simplify electrical work, circuit tracing, and troubleshooting. With the BK120, you can work safely and efficiently, saving time by accurately identifying circuit breakers without guesswork. The BK120 is suitable for use in CAT III 150 V environments, making it versatile for residential and commercial applications while offering a compact and ergonomic design to ensure comfortable handling during prolonged use.

Easier, safer, and accurate troubleshooting.

- Locate the correct breaker quickly and accurately
- Built in GFCI tester
- Low battery indicator
- Auto sleep mode
- Bright flashlight
- CAT III 150 V



FLK-BK120





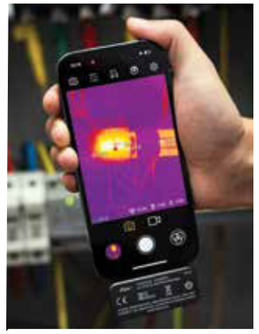
Fluke iSee™ Mobile Thermal Camera

Portable. Powerful. Precise.

With the Fluke iSee™ Mobile Thermal Camera, thermal imaging and temperature detection can be carried out anywhere, anytime. It can be widely used in electrical and mechanical inspections, product R&D, quality control, and more, greatly improving inspection efficiency.

Key Features:

- 256 x 192 pixels, detailed image quality
- Up to 500 °C/932 °F, suitable to use in many applications
- ± 2 % or ± 2 °C/3.6 °F accuracy, reliable, and stable
- 25 Hz frame rate for smooth video recording





Model
TC01-B Thermal Camera for iOS
TC01-A Thermal Camera for Android



Fluke Multimeters and Clamp Meters

Fluke Quality is Always Within Reach





Model	Fluke 15B+ Digial Multimeter	Fluke 17B+ Digial Multimeter
Best for:	Basic electrical measurements	Basic electrical and HVAC measurements
Features		
True RMS	-	-
Backlit Display	Yes	Yes
Voltage AC/DC	1000 V	1000 V
Current AC/DC	10 A	10 A
Resistance	40 MΩ	40 MΩ
Frequency	-	100 kHz
Capacitance	1000 µF	1000 µF
Temperature	-	+ 400 °C
CAT Rating	CAT III 600 V	CAT III 600 V
Non-Contact Voltage	-	-
IP Rating	40	40
Warranty (years)	1	1

Model	Fluke 302+ CAT III Digial Clamp Meter	Fluke 301D AC/DC Clamp Meter
Best for:	Basic electrical measurements	Perfect first-pass troubleshooting
Features		
True RMS	-	-
Backlit Display	Yes	-
Voltage AC/DC	600 V 1.5 % ± 5 counts	600 V 1.5 % ± 5 counts
Current AC	400 A 1.5 % ± 5 counts	600 A 2 % ± 5 counts
Current DC	-	600 A 2 % ± 5 counts
Resistance	40 MΩ 1 % ± 5 counts	60 MΩ 1 % ± 5 counts
Voltage Frequency	-	99 kHz 0.1 % ± 3 counts
Current Frequency	-	400 Hz 0.1 % ± 3 counts
Continuity	Yes	Yes
Capacitance	-	999 µF 2 % ± 5 counts
Diode	-	3 V 10%
Temperature	-	-
Safety (CAT)	CAT III 600 V	CAT III 300 V
IP Rating	CAT I	CAT I
Warranty (years)	2	1



283 FC/PV 1500V Digital Multimeter and Wireless Current Clamp

FLUKE CONNECT

The CAT III 1500 V/CAT IV 1000 V True-RMS Fluke 283 FC Digital Multimeter and a283 FC True-RMS Wireless Current Clamp set the new standard for technicians in DC environments up to 1500 V. Whether you're working with a utility-scale solar photovoltaic (PV) array, wind power, an electric railway, or a data center, the Fluke 283 FC has been engineered to enhance safety and increase productivity while giving you accurate, reliable, and repeatable results.



Additional Features:

- Highly accurate voltage measurements for precise frontline troubleshooting • Current measurements up to 60A AC/DC for safely troubleshooting individual strings with of modules with greater accuracy (when using a283 FC wireless current clamp)
- Visual and audio polarity indicators with on/off function help prevent accidental module wiring issues
- User-defined limit gauge helps you make quick go/no-go troubleshooting decisions
- Unique multimeter readiness self-check helps ensure your meter is ready to test • Save and log measurements to internal memory and view them on your mobile device via Fluke Connect™



Model
283FC TRMS Digital Multimeter
283FC/PV TRMS DMM with Current Clamp
A283FC Wireless AC/DC Current Clamp
TL175-HV TwistGuard Test Leads



PVA-1500 Series PV Analyzer, I-V Curve Tracer

Measure Your Solar PV performance

The Fluke Solmetric PVA-1500 is a cutting-edge I-V curve tracer kit designed to measure PV system performance. With this high precision testing equipment, you can reliably assess the health and performance of solar modules and arrays, making informed decisions to enhance their output and longevity.

- Measures and displays I-V curves up to 1500V and 30A, including on high efficiency modules
- Advanced built-in PV model provides immediate PV performance checking
- Sweep-to-sweep delay of 9 seconds to measure 3.5MW in <1hr
- Uninterrupted measurements even in hot environments
- Automates data management, analysis, and reporting
- Database of more than 70,000 modules with automatic updates
- Wireless interfaces for faster setup, safer work environment, and freedom of movement during PV troubleshooting
- In-the-field firmware update ready





Model
PVA-1500HE2 High Efficiency IV Curve Tracer
PVA-1500T2 IV Curve Tracer





Fluke FEV150

Test the functionality and safety of electrical vehicle charging stations, easily and reliably

The FEV150 is a complete solution for safety and performance testing of AC EV charging stations with Type 1 (J1772) or Tesla type connectors. Deliver uptime reliability with Fluke's next generation of EV Charging test solutions, designed for technicians to perform and document multiple tests safely, quickly, and efficiently without carrying multiple tools.

The all-in-one solution includes TruTest™ EV Charging software. TruTest integrates seamlessly with the FEV150 via Bluetooth connection to provide predetermined test plans, pass/fail indications, and pre-test voltage safety information. Use the FEV150 and TruTest automation to get the job done safely, faster, and with less potential for errors.

- **Vehicle simulation:** CP Control Pilot state simulation tests different charging states
- **Grounding protection:** PE Pre-Test for dangerous voltage
- **GFCI testing:** Stay protected from and check risk of electric shock
- **Compatibility:** Integrates into Fluke portfolio of test and measurement tools
- **SAE J1772:** Complies with North American standards

Fluke eMobility Tools



Model
FEV150 EV Charging Station Analyzer
FEV150 EV Analyzer w/Type 1 Connector
FEV150 EV Analyzer w/Type 1 & Tesla Connector
FEV150 EV Analyzer w/Type 1 Connector & TruTest
FEV150 EV Analyzer w/Type 1 & Tesla Connector & TruTest
FEV150 EV Analyzer w/Type 1 Connector & Fluke Premium Care

AMPROBE



TIC 300 PRO High Voltage Detector



UAT-620 Underground Utilities Locator Kit



PRM-6 Phase Sequence and Motor Rotation Tester



LM-200 LED Light Meter



Fluke Built, Fluke Protected

Reduce unplanned expenses and get the most out of your tools with Fluke Premium Care

Fluke Premium Care Standard is available with one-year or three-year plan options so you can choose the plan that is right for you.

PremiumCare

Uptime Protection by FLUKE

LinkIQ™ Duo Cable+WiFi+ Network Tester

Good for Troubleshooting

- LinkIQ™ validates cable performance (up to 10 Gig) using frequency-based measurements and provides distance to fault information along with a wire map of the cable under test.
- Wi-Fi analysis to Wi-Fi 6E, including networks, channels, and access points. Additional features include cable toning, port blink, optional remote office locators, and the ability to manage results via LinkWare™ PC.
- Add a Fiber Media Converter to troubleshoot fiber cables and test connection to switches and ports.

Model
LinkIQ™ Duo Cable+Network+Wi-Fi Tester
LinkIQ™ Duo Cable+Network+Wi-Fi Tester Advanced Kit
LinkIQ™ Duo Cable+Network+Wi-Fi Tester w/ Industrial Ethernet
LinkIQ™ Duo Cable+Network+Wi-Fi Tester Advanced Kit w/ Industrial Ethernet
LinkIQ™ Cable+Network+Wi-Fi Tester
Fiber Media Converter 10G Accessory Kit



MicroScanner™ Cable Verifier Series

Good for Validation

- Quickly determine if a problem is caused by a bad or unconnected cable, insufficient power, or a Powered Device (PD).
- Ethernet Alliance Certified to IEEE-802.3™ PoE standards for reliable multivendor interoperability.
- Information for the Network Engineer to investigate potential switch configuration or malfunctions.

Model
MicroScanner2 Cable Verifier
MicroScanner2 Professional Kit
MicroScanner2 Industrial Ethernet Tester
MicroScanner PoE Cable Verifier
MicroScanner PoE Professional Kit
MicroScanner PoE Industrial Ethernet Tester
MicroScanner PoE Industrial Ethernet Tester w/Probe



DSX CableAnalyzer™ Series Copper Cable Certifiers

Best for Validation and Advanced Troubleshooting

- Validate that cables conform to International Standards.
- Startup Faster - ProjX™ system manages job requirements and progress from set-up to systems acceptance, making sure all tests are completed correctly.
- Prevent Downtime – Find marginal cables before they become a problem.
- Speed Troubleshooting - Avoid wasting time installing bypass cables.

Model
DSX2-8000 Cable Analyzer
DSX2-8000 Cable Analyzer w/ 1Y Gold Support
DSX2-8000 Cable Analyzer Pro Kit
DSX2-8000 Cable Analyzer Pro Kit w/ 1Y Gold Support
DSX2-8000 Cable Analyzer w/Quad OLTS Modules
DSX2-8000 Cable Analyzer w/Quad OLTS Modules and 1Y Gold Support
DSX2-8000 Cable Analyzer w/Quad OLTS and OTDR and 1Y Gold Support



Intellitone

Digital network cable toner and probe traces and locates cables on an active network. Get advanced vision for tracing and locating network cables more effectively at patch panels, switches, termination blocks, or hidden within bundles. Our new IntelliTone Pro 200 LAN Toner and Probe Kits finds the cables others can't.

Model
IntelliTone PRO 200 LAN Toner and Probe Kit
IntelliTone PRO 200 LAN Toner



THERMOGRAPHY SELECTION GUIDE

Technicians and contractors who need quality images and feature rich affordability for quick scans and/or intermittent inspections.

Where used

- Light commercial maintenance
- Industrial maintenance
- Chemical processing
- Oil and gas processing
- Reliability inspections (PdM) • Light utility inspections
- Water and wastewater
- Building diagnostics
  - Building envelope
  Commercial/industrial facilities
-







Key Features	TiS75+	TiS60+	TiS55+	TiS20+/TiS20+ MAX	PTi120 400C
Infrared resolution	384 x 288 (110 592 pixels)	320 x 240 (76 800 pixels)	256 x 192 (49 152 pixels)	120 x 90 (10 800 pixels)	
IFOV (spatial resolution)	1.91 mRad	1.86 mRad	1.91 mRad	7.6 mRad	
Field of view	42° H x 30° V	34.1° H x 25.6° V	28° H x 20° V	50° H x 38° V	
Thermal sensitivity*	≤0.040 °C at 30 °C target temp (40 mk)	≤0.045 °C at 30 °C target temp (45 mK)	≤0.040 °C at 30 °C target temp (40 mk)	≤0.060 °C at 30 °C target temp (60 mK)	
Temperature range	-20 °C to 550 °C (-4 °F to 1022 °F)	-20 °C to 400 °C (-4 °F to 752 °F)	-20 °C to 550 °C (-4 °F to 1022 °F)	TiS20+ -20 °C to 150 °C (-4 °F to 302 °F) TiS20+ MAX -20 °C to 400 °C (-4 °F to 752 °F)	-20 °C to 400 °C (-4 °F to 752 °F)
Focus system	Manual focus	Fixed Focus	Manual focus	Fixed Focus	
Level and span	Smooth auto and manual scaling				—
Optional lenses	Not compatible with optional lenses				
Wireless connectivity**		Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN			
IR-Fusion™	AutoBlend continuous 0 % to 100 %	Yes, 4 levels 0 %, 25 %, 50 %, 75 %, 100 %	AutoBlend continuous 0 % to 100 %	AutoBlend continuous 0 % to 100 %	
Display	8.9 cm (3.5 in) 640 x 480 landscape touchscreen LCD	8.9 cm (3.5 in) 320 x 240 landscape LCD	8.9 cm (3.5 in) 640 x 480 landscape touchscreen LCD	8.9 cm (3.5 in) 320 x 240 landscape touchscreen LCD	
Frame rate	9 Hz or 27 Hz models	9 Hz or 30 Hz models	9 Hz or 27 Hz models	9 Hz	
Software	Full analysis and reporting software with access to Fluke Connect Desktop				
Voice annotation	Yes, 60 second maximum audio recording via Bluetooth Audio Headset Profile (HSP) connection to external device. (sold separately)			—	
Text annotation	After IS2 capture, use on-screen keyboard to type a note	-	After IS2 capture, use on-screen keyboard to type a note	After IS2 capture, use on-screen keyboard to type a note	
Video recording	Standard and radiometric video, mp4 and is3	—			
Battery life	≥3.5 hours continuous use without WiFi (Actual life depends on settings and usage)	≥4 hours continuous use without WiFi (Actual life depends on settings and usage)	≥3.5 hours continuous use without WiFi (Actual life depends on settings and usage)	≥5 hours continuous use without WiFi (Actual life depends on settings and usage)	≥2 hours continuous use without WiFi (Actual life depends on settings and usage)
Data streaming	Yes	—			
Color alarms	High temperature, low temperature, inside or outside a set range, and dew point calculation	High temperature, low temperature, and isotherms (within range)	High temperature, low temperature, and inside or outside a set range	—	
Warranty	2 year				
Asset tagging	Automatically organize and file thermal images by scanning QR codes	-	Automatically organize and file thermal images by scanning QR codes		

Professional in-house, service, and contract thermographers as well as maintenance personnel who need quality images and advanced features and specifications for use in multiple applications.

Where used

- Industrial maintenance
- Heavy commercial maintenance
- Reliability inspections (PdM)
- Oil and gas maintenance
- Heavy building diagnostics
  - Building envelope
  - Construction defects
- Electrical, water, gas utilities
- Chemical processing
- Machinery, instrumentation and appliances
- Power generation/transmission
- Research and development
  - Electrical
  - Mechanical
  - Sciences
- Quality control




Key Features	Ti480 PRO	TiX580
Infrared resolution	640 x 480 (307 200 pixels)	
SuperResolution	Software only—Captures and combines 4x the data to create a 1280 x 960 image	Camera and software—Captures and combines 4x the data to create a 1280 x 960 image
IFOV (spatial resolution)	0.93 mRad	
Field of view	34° H x 24° V	
Thermal sensitivity*	≤0.05 °C at 30 °C target temp (50 mK)	
Temperature range	-20 °C to 1000 °C (-4 °F to 1832 °F)	
MultiSharp™ Focus	Yes, automatically captures in focus objects at different distances using multiple images	
LaserSharp™ Auto Focus	Yes, laser calculation of distance for automatic focusing	
Manual focus	Yes	
Laser distance meter	Yes, calculates distance to the target for precisely focused images and displays distance on screen	
Optional lenses	Pre-calibrated smart optional lenses: wide angle, 2x and 4x telephoto, macro	
Wireless connectivity**	Fluke Connect™ app compatible. Wireless connectivity to PC, iPhone® and iPad® (iOS 4s and later), Android™ 4.3 and up, and WiFi to LAN	
IR-Fusion™	Five modes of image blending (AutoBlend™ mode, Picture-in- Picture (PIP), IR/Visible alarm, Full IR, Full visible light) add the context of the visible details to your infrared image	
Display	8.9 cm (3.5 in) 640 x 480 touchscreen LCD	14.48 cm (5.7 in) 640 x 480 touchscreen LCD
Frame rate	60 Hz or 9 Hz models	
Software	Fu ll analysis and reporting software with access to Fluke Connect Desktop and SmartView Classic desktop software	
Voice annotation	Yes, 60 second maximum audio recording	Yes, 60 seconds maximum audio recording, Bluetooth headset required
Text annotation	Yes. Including standard shortcuts as well as user programmable options	
Video recording	Standard and radiometric. mp4 is3	
Streaming video (remote display)	Yes, see the live stream of the camera display on your PC or TV monitor. Use USB, WiFi hotspot, or WiFi network to Fluke Connect Desktop software on a PC; use WiFi hotspot to the Fluke Connect™ app on a smartphone; or use HDMI to a TV monitor	
Remote control operation	Yes, through Fluke Connect™ mobile app	
Color alarms	High temperature, low temperature, and isotherms (within range)	
Warranty	2 year	

ADD ON LENSES (TiX580 and Ti480 PRO)






Key Features	Wide Angle Lens LENS/WIDE2	4X Telephoto Lens LENS/4XTELE2	2X Telephoto Lens LENS/TELE2	25 Micron Macro Lens LENS/25MAC2
IFOV (spatial resolution)	TiX580 and Ti480 PRO: 1.86 mRad	TiX580 and Ti480 PRO: 0.17 mRad	TiX580 and Ti480 PRO: 0.33 mRad	—
Field of view	46° H x 34° V	6.0° H x 4.5° V	12° H x 9° V	—
Focus distance	15 cm (approximately 6 in)	1.5 m (approximately 5 ft)	45 cm (approximately 18 in)	10.4 mm ± 1 mm (0.4 in)
Object size	—	—	—	7.8 mm x 5.8 mm

METERS DESIGNED FOR THE WAY YOU WORK

	ADVANCED METERS		GENERAL PURPOSE		COMPACT METERS		SPECIALTY METERS			PROVING UNIT
										
Model	**289/287**	**87V/87V MAX**	**3000 FC**	**179**	**117/115**	**116**	**28 II/28 II EX**	**1587 FC**	**279 FC**	**PRV 240**
Applications	**Working on VSDs/VFDs:** Take accurate voltage, current and frequency measurements on the output side of the drive at either the drive itself or at the motor terminals. **Graphing:** View logged values graphically in the field right on the meter, without a PC. **Logging:** For unattended monitoring of signals over time, to detect intermittent problems. **Testing motor windings or contact resistance:** Allows testing of resistance up to 50 ohms with one milliohm (0.001 ohm) resolution.	**Working on VSDs/VFDs:** Take accurate voltage, current and frequency measurements on the output side of the drive at either the drive itself or at the motor terminals. **Industrial troubleshooting:** All of the resolution and accuracy you need to solve more problems on motor drives, in-plant automation, power distribution, and electromechanical equipment. **Checking power quality:** Capture glitches and spikes as short as 250 µs. Identify irregular signals. **Same applications as the 87V, but with even better features:** • Withstands drops up to 4 meters • Fully waterproof and dust proof (IP67 rated) • Long battery life of 800 hours compared to 400 hours for the 87V	**Work faster and safer with Fluke Connect (FC) wireless test tools:** The 3000 FC wireless multimeter and associated wireless modules allows users to work safer, log time stamped readings, be in two places at once and see multiple readings simultaneously to solve complex electrical problems faster. **Build the system as your needs grow:** Start with the multimeter and expand your measurement and troubleshooting capabilities by adding additional meters to meet your specific applications including three-phase load studies with iFlex or voltage monitoring.	**Electrical maintenance and troubleshooting:** Variety of commercial electrical troubleshooting, installation and maintenance. **Temperature measurements:** Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument.	**Electrical maintenance troubleshooting:** When you need to eliminate false or "ghost" voltages or perform continuity, connection or basic wiring checks. **Non-contact voltage detection (117 only):** Integrated non-contact voltage detection simplifies many tasks. **Electronic troubleshooting:** Troubleshoot a wide variety of measurement parameters, including frequency and capacitance.	**Commercial HVAC maintenance installation troubleshooting:** HVAC residential maintenance, installation and troubleshooting. **Temperature and microamp measurements:** Troubleshooting problems with HVAC equipment and flame sensors with built-in thermometer and microamps.	**Industrial troubleshooting in indoor and outdoor harsh environments:** Dustproof, waterproof, shockproof multimeter designed to withstand the toughest environments. **Working on VSDs:** Take accurate voltage, current and frequency measurements on the output side of the drive at either the drive itself or at the motor terminals. **Intrinsically Safe (28II EX Only):** For use in petroleum, chemical, or pharmaceutical environments - IIC (gas), in Zone 1 and 2 and IIIC (dust), Zone 21 and 2ww2. NEC-500 Class I, Div 1, Groups A-D, 130°C	**Insulation testing to protect and prolong the life of electrical systems and motors:** Determine the integrity of windings or cables in motors, transformers, generators switchgear, and electrical installations. **Industrial/Electrical troubleshooting:** Predictive and preventive maintenance measurement tasks. **PI/DAR tests:** Polarization Index (PI) and Dielectric Absorption Ratio (DAR) tests identify problems faster. **Fluke Connect:** Document results, perform temperature compensation, trend results over time.	**First-line electrical troubleshooting with thermal imager:** Reveal many electrical issues rapidly and from a safe distance. Check hot spots in equipment and transformers, detect heating of fuses, wires, insulators, connectors, splices and switches. **Expanded current measurement:** Use iFlex® flexible ac current probe to expand your measurement capabilities and get into tight, hard to reach spaces. **Work faster and safer with Fluke Connect:** Transmit results wirelessly to a smartphone and save time on reporting to validate work is complete.	**Unique, compact, convenient:** Portable, pocket-sized, battery-powered voltage source. **Designed for safety and compliance:** NFPA-70E 110.8(D) and 120.3 (5)(6) requires a Live-Dead-Live test on the meter prior to working on a de-energized circuit. The PRV 240 provides a safe method to confirm the electrical test tool is operating properly before using it to verify the absence of voltage and work on de-energized equipment.
Basic features										
Counts	50,000	20,000	6,000	6,000	6,000	6,000	20,000	6,000	6,000	
True-rms readings	ac/ac+dc	ac	ac	ac	ac	ac	ac	ac	ac	
Basic dc accuracy	0.025%	0.05%	0.09 %	0.09 %	0.5%	0.5%	0.05 %	0.09 %	0.09%	
Wide bandwidth	100 kHz	20 kHz					20 kHz	5 kHz		
Auto/manual ranging	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	
Measurements										
Voltage ac/dc	1000 V	1000 V	1000 V	1000 V	600 V	600 V	1000 V	1000 V	1000 V	
Current ac/dc	10 A	10 A	400 mA	10 A	10 A	600 µA	10 A	400 mA	2500 A AC (with iFlex)	
Resistance	500 MΩ	50 MΩ	50 MΩ	50 MΩ	40 MΩ	40 MΩ	50 MΩ	50 MΩ	50 MΩ	
Frequency	1 MHz	200 kHz	100 kHz	100 kHz	100 kHz	100 kHz	200 kHz	100 kHz	100 kHz	
Capacitance	50,000 µF	10,000 µF	10,000 µF	10,000 µF	10,000 µF	10,000 µF	10,000 µF	10,000 µF	10,000 µF	
Temperature	(+) 1350 °C	(+) 1090 °C	(*with t3000 FC)	(+) 400 °C		(+) 400 °C	(+) 1090 °C	(+) 537 °C	Infrared camera -10 °C to 200 °C	

CLAMP METER SELECTION GUIDE

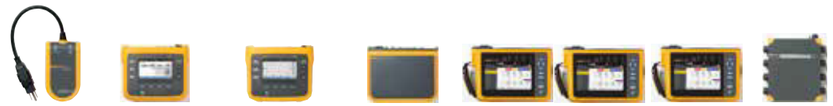
	RESIDENTIAL/COMMERCIAL ELECTRICAL		INDUSTRIAL ELECTRICAL			
						
	374 FC	**375 FC**	**365**	**376 FC**	**377 FC**	**378 FC**
Display						
Display hold	•	•	•	•	•	•
Backlight	•	•	•	•	•	•
Specifications						
Jaw opening	34 mm	34 mm	18 mm	34 mm	34 mm	34 mm
Current range ac rms	0 to 600.0 A	0 to 600.0 A	0 to 200.0 A	0 to 999.9 A	0 to 999.9 A	0 to 999.9 A
Accuracy ac current (50/60 Hz)	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts
AC Response	True-rms		True-rms	True-rms	True-rms	True-rms
Current range dc	0 to 600.0 A	0 to 600.0 A	0 to 200.0 A	0 to 999.9 A	0 to 999.9 A	0 to 999.9 A
Accuracy dc current	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts	2 % ± 5 counts
Voltage range ac	0 to 600.0 V	0 to 1000 V	600.0 V	0 to 1000 V	0 to 1000 V	0 to 1000 V
Accuracy ac voltage	1.5 % ± 5 counts	1.5 % ± 5 counts	1.5 % ± 5 counts	1.5 % ± 5 counts	1 % ± 5 counts (test leads) 3% ± 5 counts (FieldSense)	1 % ± 5 counts (test leads) 3% ± 5 counts (FieldSense)
Voltage range dc	0 to 1000 V	0 to 1000 V	600.0 V	0 to 1000 V	0 to 1000 V	0 to 1000 V
Accuracy dc voltage	1 % ± 5 counts	1 % ± 5 counts	1.5 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts	1 % ± 5 counts
Resistance range	0 to 6000 Ω	0 to 60 kΩ	0 to 6000 Ω	0 to 60 kΩ	0 to 60 kΩ	0 to 60 kΩ
Frequency measurement range		500 Hz		500 Hz	500 Hz	500 Hz
Unit Power						
Auto off	•	•	•	•	•	•
Warranty and Safety						
Warranty (years)	3	3	3	3	3	3
Category ratings (EN61010-1)	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V	CAT III 1000 V, CAT IV 600 V



	SOLAR, HIGH VOLTAGE DC	HVAC/R	HIGH END INDUSTRIAL, UTILITY	
				
	393 FC	**902 FC**	**353**	**355**
Ideal for	High voltage dc applications including solar and wind power, dc railways, data center backup systems. Measure voltage andw current at the same time; dc power measurements. Store, share readings via Fluke Connect.	HVAC applications where temperature and microamp measurements are common. Wide range of common measurement functions. Store, share readings via Fluke Connect.		
Measurements				
AC current	•	•	•	•
AC volts	•	•		•
Resistance	•	•		•
Continuity	•	•		•
DC Volts	•	•		•
DC current	•	•	•	•
True-rms	•	•	•	•
Frequency	•		•	•
AC + DC voltage				•
AC + DC current			•	•
DC power	•			
Min/Max/Avg	•	•	•	•
Temperature		•		
Capacitance	•	•		
Special Features				
Fluke Connect enabled	•	•		
Inrush current mode	•		•	•
Low pass filter	•		•	•
Visual continuity	•			
Audible/visual polarity	•			
18” iFlex Flexible Current Probe	Included			
10” iFlex Flexible Current Probe	Optional			
Thin jaw and IP 54 rating	•			



POWER QUALITY AND ENERGY TOOLS SELECTION GUIDE



	TROUBLESHOOTERS AND LOGGERS				ANALYZERS			RECORDERS
	VR1710	1732/1734[1]	1736/1738[2]	1742/1746/1748	1773	1775	1777	1760
Energy Studies								
Measure V, I, kW, Cos/DPF, kWhr		•	•	•	•	•	•	•
Measure MIN/MAX and AVG values	•	•	•	•	•	•	•	•
10 day logging	•	•	•	•	•	•	•	•
Waste energy monetization								
Basic Harmonics Study								
THD measurement (V & I)	•	•	•	•	•	•	•	•
Harmonics 1 to 25 for V & I	(V only)		•	1746/1748	•	•	•	•
Advanced Harmonics Study								
Full harmonic spectrum			•	1746/1748	•	•	•	•
Power harmonics				1746/1748	•	•	•	•
Basic Industrial PQ Troubleshooting								
Oscilloscope function			•		•	•	•	
Voltage dips and swells	•		•	•	•	•	•	•
Advanced PQ Troubleshooting								
Comprehensive logging capability			•	•	•	•	•	
Advanced Features								
Inrush			17382	1748	•	•	•	•
Flicker	•			•	•	•	•	•
Transients	•			17483		1 MHz	20 MHz	
Mains signaling				1746/1748		•	•	•
Power wave								
Event waveform capture	•		17382	1748		•	•	•
Communications								
USB	•	•	•	•	•	•	•	•
Ethernet				•	•	•	•	•
Wi-Fi		1734[1]	•	•		•	•	
Bluetooth		1734[1]	•	•		•	•	
Wireless download		1734[1]	•	•		•	•	
Fluke Connect app		1734[1]	•	•				
Safety								
600 V/CAT IV		•	•	•	•	•	•	•
1000 V/CAT III		•	•	•	•	•	•	•
300 V/CAT II	•							
Power from measurement line	•	•	•	•	•	•	•	

[1]An upgrade package is available to upgrade an existing 1732 Energy Logger with the same features and capabilities of the 1734 Energy Logger. [2]An upgrade package is available to upgrade an existing 1736 Power Logger with the same features and capabilities of the 1738 Advanced Power Logger.
[3]Event waveform capture (10.24kHz sampling).
[4]Basic screenshot functionality

ELECTRICAL TESTERS SELECTION GUIDE



	OPEN FORK TESTERS WITH FIELDSENSE TECHNOLOGY		CLASSIC OPEN FORK TESTERS		VOLTAGE AND CONTINUITY TESTER	PROVING UNIT
	T6-1000 PRO	T6-600	T5-1000	T5-600	T+PRO	PRV240FS
Basic Features						
FieldSense voltage measurement technology	•	•				
Provides known live ac/dc voltage source						•
Designed to verify FieldSense tools						•
Open fork design	•	•	•	•		
True-rms readings	•	•				
Voltage indication with discharged batteries					•	
Frequency range						
GFCI trip					•	
Rotary field indication					•	
Measurements						
Voltage ac/dc	1000 V	600 V	1000 V	600 V	600 V	
Current ac	200 A	200 A	100 A	100 A		
Resistance	100 kΩ	2000 Ω	1000 Ω	1000 Ω	9.99 kΩ	
Frequency	45-66 Hz					
Continuity test	•	•	•	•	•	
DC polarity indicator	•	•	•	•	•	
Display						
LCD readout	•	•	•	•	•	
LED voltage level bar					•	
Backlight	•	•				
Dual line display—simultaneous V+I, Hz	•					
Other Features						
LED flashlight					•	
Hazardous voltage warning light	•	•	•	•	•	
Sourcing voltage ac/dc						240 V
Visual continuity	•					
Audible continuity	•	•	•	•		
Grounding alligator clip	•					
Holster	•					
Warranty and Electrical Safety						
Warranty (years)	2	2	2	2	2	1
Safety rating (EN 61010) CAT III	1000 V	600 V	1000 V	600 V	1000 V	
Safety rating (EN 61010) CAT IV	600 V		600 V		600 V	



Take measurements from a safe distance

Fluke has built infrared thermometers with the durability and accuracy you need to do your job, and all within your budget. These IR Thermometers offer precise laser technology for accurate and repeatable measurements.



Model	62 MAX+	62 MAX	59 MAX+	59 MAX	64 MAX
Temperature range	-30 °C to 650 °C (-22 °F to 1202 °F)	-30 °C to 500 °C (-22 °F to 932 °F)	-30 °C to 500 °C (-22 °F to 932 °F)	-30 °C to 350 °C (-22 °F to 662 °F)	-30 °C to 600 °C (-22 °F to 1112 °F)
Accuracy	± 1.0 °C or ± 1.0 % of reading, whichever is greater -10 °C to 0 °C: ± 2.0 -30 °C to -10 °C: ± 3.0	± 1.5 °C or ± 1.5% of reading, whichever is greater -10 °C to 0 °C: ± 2.0 -30 °C to -10 °C: ± 3.0	0° C: ± 1.5 °C or ± 1.5% of reading, whichever is greater	≥ 0 °C: ± 2.0 °C or ± 2.0 % of reading, whichever is greater	± 1.0 °C or ± 1.0 % of reading, whichever is greater ± 2.0 °C at -10 °C to 0 °C ± 3.0 °C at -30 °C to -10 °C
Emissivity			0.10 to 1.00	0.10 to 1.00	0.10 to 1.00
Power	AA batteries				
Compliance	EN/IEC 61010-1: 2001				
Laser safety	FDA and EN 60825-1 Class II				

Stand up to tough industrial, electrical, HVAC, and mechanical environments

With a straight-forward user interface and soft-key menus, the Fluke 560 Series IR Thermometers make even complex measurements easy. With just a few pushes of a button you can easily adjust emissivity, record data, or turn on and off alarms.



Model	Fluke 561	Fluke 566	Fluke 568
Infrared temperature range	-40 °C to 535 °C (-40 °F to 995 °F)	-40 °C to 650 °C (-40 °F to 1202 °F)	-40 °C to 800 °C (-40 °F to 1472 °F)
Accuracy	Greater of ± 1 % or ± 1 °C (2 °F)		
Distance to Spot (D:S)	12:1	30:1	50:1
Sighting	Laser point		
Typical distance to target	Up to 2.5 m (7 ft)	Up to 4.5 m (15 ft)	Up to 7.5 m (25 ft)
Probe type	Thermocouple K		
Contact temperature range	-40 °C to 550 °C (-40 °F to 1022 °F)	-270 °C to 1372 °C (-454 °F to 2501 °F)	
Number of on-board memory locations		20	99
PC download and software			Yes, with FlukeView® Forms
Soft-key feature menu navigation		•	
Min/Max/Avg/Dif	Min/Max/Dif	Min/Max/Avg/Dif	
Material type adjustment (emissivity)	Hi/Med/Lo	Material table or 0.1 to 1.00 by 0.01	
High and low alarms		High and low alarms	
Hands-free logging			•

Fluke 971 Temperature Humidity Meter

The Fluke 971 is invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). The Fluke 971 the perfect tool for monitoring problem areas. It is built to perform and made to last.

Functions	Measurements
Temperature range	-20 °C to 60 °C (-4 °F to 140 °F)
Relative humidity range	5 % to 95 %
Temperature update rate	500 ms
Temperature sensor type	NTC
Response time (humidity)	For 90 % of total range - 60 sec. with 1 m/s air movement
Humidity sensor	Electronic capacitance polymer film sensor



Fluke 971 Temperature Humidity Meter

Fluke 985 Airborne Particle Counter

The Fluke 985 Particle Counter is ideal for troubleshooting and monitoring indoor air quality issues and verifying HVAC filter performance in critical locations, and is the perfect tool for the maintenance, HVAC, and IAQ professional.

Functions	Measurements
Flow rate	2.83 L/min (0.1 cfm)
Light source	775 nm to 795 nm, 90mW class 3B laser
Count modes	Raw counts, #/m3, #/ft3, #/liter in Cumulative or Differential mode
Counting efficiency	50 % @ 0.3 µm; 100 % for particles > 0.45 µm (per ISO 21501)
Zero count	1 count/5 minute (JIS B9921)
Concentration limits	10 % at 4,000,000 particles per ft3 (per ISO 21501)
Sample inlet	Isokinetic probe
Operating environment	10 °C to 40 °C (50 °F to 104 °F)/< 95 % non-condensing relative humidity



Fluke 985 Airborne Particle Counter

Fluke 922 Airflow Meter/Micromanometer

The Fluke 922 makes your job easier by combining differential pressure, airflow and velocity into a single, rugged meter.

	Range	Accuracy
Air pressure	± 4000 Pascals/± 16 in H_2O/± 400 mm H_2O/ ± 40 mbar/± 0.6 PSI	± 1 % + 1 Pascal/± 1 % + 0.01 in H_2O/ ± 1 % + 0.1 mm H_2O/± 1 % + 0.01 mbar/ ± 1 %+ 0.0001 PSI
Air velocity	250 fpm to 16,000 fpm (1 to 80 m/s)	± 2.5 % of reading at 2000 fpm (10.00 m/s)
Air flow (volume)	0 to 99,999 cfm; 0 to 99,999 m 3/hr; 0 to 99,999 l/s	Accuracy is a function of velocity and duct size
Temperature	0 °C to 50 °C (32 °F to 122 °F)	0.1 °C (0.1 °F)
Data storage	99 readings	



Fluke 922 Airflow Meter/ Micromanometer



805 FC Vibration Meter

Fluke 805 FC Vibration Meter

Make go or no-go maintenance decisions with confidence

The fast, easy-to-use Fluke 805 FC Vibration Meter eliminates the confusion of vibration screening so you can make go or no-go maintenance decisions with confidence. Instantly upload your data to the Fluke Connect™ app and share vibration measurement results with your maintenance team in real time—all without leaving the field.*

- The innovative sensor and sensor tip design ensures accurate measurements for overall vibration measurement, bearing condition and machine health
- A four-level scale helps you quickly assess problem severity
- Set up machine profiles, create work orders and send maintenance routes to technicians in the field using the Fluke Connect mobile app

*Fluke Connect is not available in all countries. Check with your local Fluke representative.



810 Vibration Tester

Fluke 810 Vibration Tester

Take a vibration expert along

The Fluke 810 Vibration Tester is the most advanced machine diagnostic tool for mechanical maintenance teams who need an answer now. A simple step-by-step process reports on machine faults the first time measurements are taken, without prior measurement history.

- The unique automated diagnostic technology identifies and locates the most common mechanical faults: bearings, misalignment, unbalance and looseness
- Repair recommendations advise technicians on corrective action
- Real-time tips and guidance give new users on-board, context-sensitive help



831 Laser Shaft Alignment Tool

Fluke 831 Laser Shaft Alignment Tool

Precision shaft alignment made easy

The Fluke 831 Laser Shaft Alignment Tool is the ideal test tool to precision-align rotating shafts in your facility. If you're still using rulers and dial indicators to ensure your rotating machinery is properly aligned, you could be losing thousands of dollars per year in replacement bearing costs, hours of unnecessary repair time and crippling unplanned downtime, not to mention taking years off your machine's useful life.

- The single-laser measurement technology results in better data accuracy
- The intuitive guided user interface helps you quickly and easily complete machine alignments
- Use up to 8 measurement points to achieve precision alignment on vertical machines.
- Rugged build and the highest-in-class IP rating.



835 Laser Belt Alignment Tool

Fluke 835 Laser Belt Alignment Tool

Efficient and accurate pulley alignmen

The Fluke 835 Laser Belt Alignment Tool provides fast, easy, and accurate pulley alignments to help keep your plant up and running. In just a few steps, you can precisely align all of the belt-driven machines in your plant.

- Time-saving pulley alignment method requires no cross-check
- Shows offset, vertical, and horizontal angles simultaneously
- Live corrections validate when precision alignment is achieved
- Strong magnets mount onto virtually any pulley face
- Efficient, accurate one-person operation with no training needed



754 Hart Enabled Documenting Process Calibrator

Fluke 754 HART Enabled Documenting Process Calibrator

Whether you're calibrating instruments, troubleshooting a problem, or running routine maintenance, the Fluke 754 with HART® communication can help you get the job done faster. It does so many different tasks, so quickly and so well, it's the only process calibrator you need to carry. This rugged, reliable integrated communicating calibrator does everything the Fluke 753 does and is ideal for calibrating, maintaining, and troubleshooting HART and other instrumentation.

- Full-featured documenting process calibrator with HART communication for calibrating and troubleshooting HART instrumentation
- Measures volts, mA, TDs, thermocouples, frequency and ohms to test sensors, transmitters and more
- Sources/simulates volts, mA, thermocouples, RTDs, frequency, ohms and pressure to calibrate transmitters
- Powers transmitters during test using loop supply with simultaneous mA measurement



789 ProcessMeter

Fluke 789 ProcessMeter™

The Fluke 789 ProcessMeter doubles troubleshooting capabilities by combining the power of a safety rated digital multimeter and mA loop calibrator into a single, compact test tool. Whether you only need to source and simulate mA, or need a 24 V loop power supply, the 789 is designed to meet your needs. Add the wireless data-logging capabilities of Fluke Connect™ with ShareLive™ video call, and process technicians can do a lot more while carrying a lot less.

- Combines the functionality of a loop calibrator with the power of a precision 1000 V, True-rms digital multimeter with a CAT IV 600 V rating
- HART mode setting with loop power (adds 250 ohm resistor)
- Simultaneous mA and % of scale readout on 4-20 mA output and measurement



773 Milliamp Process Clamp Meter

Fluke 773 Milliamp Process Clamp Meter

The Fluke 773 mA Process Clamp Meter is accurate and versatile and lets you measure output signals without ever breaking the loop. Ideal for troubleshooting transmitters, valves and programmable logic controllers (PLCs) found in process plants, the 773 lets you troubleshoot a live device without having to power down and possibly miss something going on in the process.

- Measure dc voltage to verify 24 V power supplies or voltage I/O signals
- Source 0-10 and 1-5 vdc voltage signals to test voltage input devices
- Record a 4-20 mA signal without breaking the loop, using the scaled mA output signal and a logging DMM



700G Precision Pressure Test Gauges

Fluke 700G Precision Pressure Test Gauges

With best-in-class accuracy and measurements, the Fluke 700G Precision Pressure Test Gauges handle all of your pressure calibration needs. The 700G Series Gauges are rugged and easy to use, with 23 models ranging from ± 10 inH2O/25 mbar to 10,000 psi/690 bar, including absolute pressure ranges. When you combine the 700G Series Gauges with the Fluke 700PTPK or 700HTPK, you've got a complete pressure-testing solution for up to 600 psi (40 bar) with the PTP-1 pneumatic pump and up to 10,000 psi (690 bar) with the HTP-2 hydraulic pump.

- Rugged, high-quality pressure gauge calibrator for fast and accurate test results
- Delivers precision pressure measurements in 23 ranges from ± 10 inH2O/20 mbar to 10,000 psi/690 bar
- Delivers high accuracy—0.05 % total measurement uncertainty for one year
- Log pressure measurement in the field and upload with optional 700GTrack software

FLUKE®

Fluke 729 Pro Automatic Pressure Calibrator



- Automatic pressure generation, control and precision adjustment to 1,000 psi (70 bar/7000 kPa)
- Interchangeable internal Pressure Measurement Modules
- 30 psi (2 bar/200 kPa) to 1,000 psi (70 bar/7000 kPa)
- Improved speed to pressure set points
- Rugged ergonomic design with three years warranty
- Automatic calibrator of pressure transmitters, switches, and gauges
- Source or measure pressure to test pressure devices with both pressure inputs and outputs
- Source and simulate mA signals while measuring pressure for testing current to pressure (I/P) converters
- HART communication to configure and perform trim on HART smart-pressure transmitters



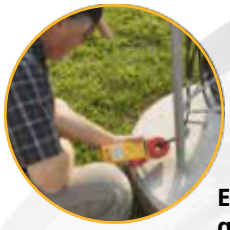
Distance meters



Bench meters



Insulation resistance testers



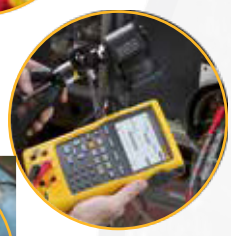
Earth ground testers



Electrical testers



Intrinsically safe products



Process calibration tools

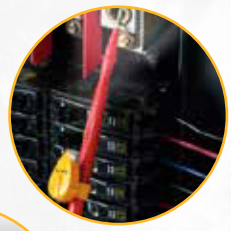
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Vibration



ScopeMeters® test tools



Accessories



Dry well calibrators



Fluke Connect®

The rugged and reliable Fluke family of test and measurement products have been helping service technicians, plant engineers and installation and maintenance professionals for over 75 years.

Fluke. Keeping your world up and running.™

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