



The Next Generation of Test & Measurement



Leveraging our 50-year history as the world's largest supplier of thermal imaging technology to military, government, and commercial customers, FLIR introduces a new line of test & measurement products built upon our commitment to innovation, quality, and reliability.

FLIR DM93



Diagnose VFD-controlled equipment



Data Recording finds intermittent errors

- **VFD Mode** for superior accuracy
- **LoZ** reduces Ghost Voltage errors
- **Extremely bright dual-LED worklight**
- **METERLiNK® & Bluetooth®** capability
- **Android enabled via FLIR Tools Mobile**

Prepare Yourself for VFD Troubleshooting

Finally, a digital multimeter that works as hard as you do

Helping eliminate your electrical troubleshooting guesswork, the new FLIR DM93 is a rugged DMM designed with advanced VFD filtering and shielding that help you accurately analyze the non-traditional sine waves and noisy signals in VFD-controlled equipment. Along with LoZ Mode to reduce ghost readings in long runs, continuous data recording to detect intermittent glitches, Bluetooth links to Android devices for safer/easier remote diagnostics, and bright LED worklights to illuminate poorly lit inspection areas, the FLIR DM93 will equip you to tackle the toughest jobs.



Bright LED worklight breaks the darkness



METERLiNK connection to FLIR IR cameras



- **VFD Mode for enhanced diagnostics**
- **Extremely bright dual-LED worklight**
- **METERLINK® & Bluetooth® capability**
- **Android App enabled via FLIR Tools Mobile**

FLIR CM83

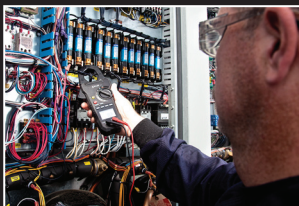
Power Analysis & VFD Diagnostics In One Package

World-class features that meet your real-world needs

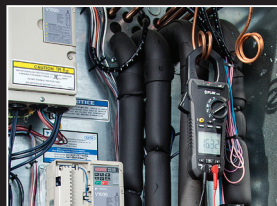
Designed for complex diagnostics, the new FLIR CM83 is an industrial power clamp meter with premier power analysis functions and advanced VFD filtering that enable you to accurately analyze three-phase systems, non-traditional sine waves, and noisy signals associated with VFD-controlled equipment. And with Harmonics Mode to find noise from different electrical draws, Phase Rotation to confirm power is evenly balanced, and Inrush Current to detect start-up related current spikes, the FLIR CM83 will help you locate issues associated with your complex industrial and commercial systems.



Get connected
with METERLINK



Analyze power-related issues



Diagnose VFD-related issues



Inrush Current detects start-up spikes

FLIR CM78

- AC/DC (up to 1000A or 1000V)
- Spot-Laser IR Thermometer
- Type K Thermocouple

Multifunctional Meter Reduces Your Payload

Equip yourself to troubleshoot complex systems

The new FLIR CM78 is a 1000A clamp meter that combines a True RMS digital multimeter and non-contact clamp meter with temperature measurement capabilities. Useful for working on high-powered equipment, this new clamp meter enables you to take accurate AC/DC readings up to 1000A or 1000V safely and quickly. In addition, the built-in IR thermometer with laser spot lets you scan for hot spots and perform quick checks, and the Type K thermocouple enables you to verify that associated current/temperature specs are correct.



Bright dual-LED worklight breaks the darkness



Spot-Laser IR thermometer for quick "hot spot" scans



Connect to Android devices for remote diagnostics



Built-in DMM functionality provides versatility

FLIR MR77



Temperature/humidity sensor is field replaceable



Capture moisture readings up to 0.75" below surfaces



Laser IR Thermometer quickly captures surface temps



Use METERLINK to embed moisture data into FLIR IR camera images

Move Beyond Moisture Detection Mediocrity

Rapid Detection, Replaceable Sensors, Rugged Design

Expand your moisture detection capabilities with the new FLIR MR77, a rugged, feature-rich moisture meter designed to help you tackle critical restoration jobs. The MR77 accurately measures moisture content in a wide range of building materials using a pinless sensor that captures non-destructive readings up to 0.75" below material surfaces. Perfect for monitoring the drying process, the MR77 is also capable of targeting moisture levels using a wired pin probe. The unit also features a field-replaceable temperature/humidity sensor, Bluetooth connectivity to Android devices, and the ability to capture surface temperatures using a non-contact, laser-spot IR thermometer.

- **Integrated pinless moisture sensor**
- **External moisture probe on 30" wire**
- **Field-replaceable temp/humidity sensor**
- **Built-in IR thermometer with laser spot**
- **High/Low Moisture and Humidity Alarms**
- **Bluetooth connectivity to Android devices**



FLIR VP50

- *Tactile feedback alarms*
- *Powerful worklight (60 lumens)*
- *Rugged, waterproof, CAT IV-rated*



Double-Duty Detector: NCV Tester Plus Worklight

Quick voltage checking and area lighting at your fingertips

The FLIR VP50 is a CAT IV-rated NCV detector that features a powerful LED worklight for illuminating dimly lit areas – great when the power is out or inspection areas are blocked. Other features include multi-colored LED and vibration alarms – useful for inspections in noisy locations, a dual-LED convenience light at the probe tip for up-close work, and high/low sensitivity for detecting voltage on industrial systems, low-voltage equipment, and obstructed installations.



High sensitivity mode is useful for working on low-voltage systems



Low-profile tip helps when working with safety outlets.

FLIR VS70

- **Shockproof – IP67 rated (2M drop)**
- **User-friendly camera controls**
- **Convenient USB recharging**
- **Extended battery life**

Deep Diagnostics, Dynamic Display, Durable Design

Bring hidden problems into clear view by accessing extremely tight areas

The new FLIR VS70 is a rugged, waterproof videoscope with user-friendly handset controls that enable you to easily maneuver the narrow camera probe into extremely tight spaces to deliver clear video and vivid images to the large 5.7" color LCD display. The FLIR VS70 has flexible wide-angle 180-degree or standard 90-degree viewing angles, which are selected on-the-fly with the simple press of a switch, and the included headset provides easy voice annotations to clarify inspection findings. The unit includes SD card storage of video, image, and audio files, and the built-in USB port along with the included vehicle charger keeps your FLIR VS70 powered up and working on the job site all day.



The base FLIR VS70 system is compatible with various detachable camera head options to support various inspection situations



The included headset allows for voice annotations to clarify inspection findings

METERLiNK®

Combines Test & Measurement with Thermal Imaging

FLIR's new electrical and moisture meters use METERLiNK to transmit essential diagnostic data – such as electrical loads and moisture levels – wirelessly to compatible FLIR thermal cameras, which automatically annotate IR images with these readings. Helping clarify and quantify issues, this critical information can be shared with customers and colleagues to speed up your troubleshooting and repair work.



FLIR Tools Mobile

Improves productivity, speeds decision-making, and clarifies reporting

Connect your FLIR DM93, CM83, CM78, and MR77 to Apple and Android™ mobile devices to perform remote diagnostics, often a faster and safer way of working. Also, use the app to share data with people on the job site to speed up troubleshooting, and email findings to managers to accelerate decision-making. With FLIR Tools Mobile your productivity will increase, time spent resolving problems will decrease, and enhanced reporting will help you make a greater impact.



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