Choose the right tool for the job



Troubleshooters and analyzers



Recorders

Energy studies

Measure V. I. kW. Cos/DPF. kWhr Measure MIN/MAX and AVG values 10 day logging

Get detailed power and energy consumption profiles during energy audits and pinpoint savings opportunities

Application use

Waste energy monetization Basic harmonics study

THD measurement (V & I) Discover the source of distortion in your installation, so that you can filter those loads or move them Harmonics 1 to 25 for V & I to separate circuits

Advanced harmonics study

Full harmonic spectrum If distorting loads are causing problems in your installation, you need comprehensive data to identify the source and create a solution Power harmonics

Basic industrial PO troubleshooting

When troubleshooting in the field, graphical data enables you to trace the source of the problem at

Advanced PQ troubleshooting

Complex installations often require a deeper dive into measurement data. Multiple loads may be Comprehensive logging capability interacting randomly to cause a single problem

Advanced Features

Oscilloscope function

Voltage dips and swells

Inrush Discover peak current from load switching. Measure the effects of disturbing switching equipment. Flicker

Transients Capture high speed voltage waveform caused by switching or network disturbances.

Mains signaling Monitor signals on the network that are used for network wide equipment control

Capture voltage and current waveforms over defined periods to discover the effects of motor and Power wave generator startups and close downs.

Event waveform capture Visualization of dips and swells to identify the cause of the events,

400 Hz Measurement for avionics and shipboard systems Shipboard power

Quantify shipboard power against defined international standards. Power inverter efficiency Measure input and output power of inverters to optimize system performance.

Motor analysis

Perform dynamic motor analysis by plotting of motor de-rating factor against load according to Speed, torque, mechanical power, NEMA/IEC guidelines on direct on-line electric motors and motors driven by specific variable efficiency frequency drive systems.

Communications

USB

Ethernet Wi-Fi

Bluetooth Wireless download

Safety

600 V/CAT IV

Fluke Connect app

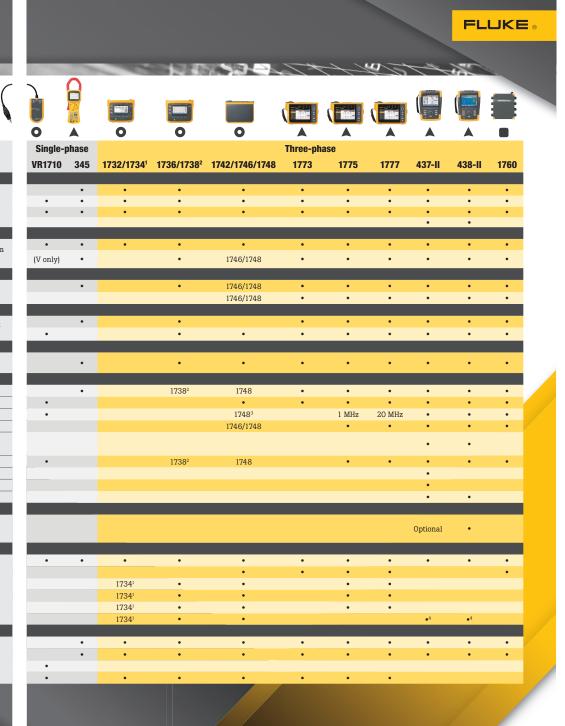
1000 V/CAT III 300 V/CAT II

Power from measurement line

1An upgrade package is available to upgrade an existing 1732 Energy Logger with the same features and capabilities of the 1734 Energy Logger.

³Event waveform capture (10.24kHz sampling).





An upgrade package is available to upgrade an existing 1736 Power Logger with the same features and capabilities of the 1738 Advanced Power Logger.