

Operational Description

The Fluke 1750 Power Recorder is a comprehensive system for power quality investigations in installations up to 1000V CAT III, 600V CAT IV. The Recorder consists of a power recorder instrument, a wireless handheld Personal Digital Assistant (PDA) for control and setup, and a PC application which communicates either directly or remotely through an ethernet connection. Four 400 A current probes are provided as standard equipment and a wide range of ferro and Rogowski (flexible) type current probes are available as accessories. The recorder is AC powered from 100-240VAC 47-63 Hz and has a 5 minute NiMH battery backup in order to record power outage, brown out and power restoration transients and anomalies. The radio portion of the product consists of a single small pca containing a Zeevo single chip bluetooth™ uController solution, 3dbi max 2.4GHz antenna, impedance matching network, and a flash memory chip. Also contained on the board is an SD memory card cage but it has no relation to the radio itself.