

WECO 2051X

Automated Meter Test Board

FEATURES

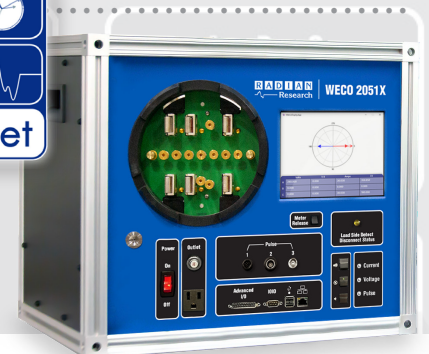
- Powerful + Budget Friendly
- Integrated RX-10, 0.04% Reference Standard
- 480V, 50A Voltage + Current Source
- WATT-Net
- 6.5" LCD Touchscreen
- Wi-Fi Control and Data Sync
- Automated Test Socket
- Meter Comm Testing
- Remote Disconnect Testing
- Harmonic Generation



The WECO 2051X Automated Meter Test Board is another entry in RADIANT's innovative product line designed exclusively for the electric meter technician. Building on our tradition of delivering testing solutions that provide a powerful mix of accuracy, convenience, and versatility; the 2051X adds next generation features and cutting-edge technology in a smaller package. With the 2051X's small footprint and light weight, it becomes a perfect solution for vehicle based and desktop applications.

Control Software

WATT-Net is supplied with the WECO 2051X including an integrated touchscreen to allow you control the Test Board without the need for a laptop or desktop PC. Alternatively access the full WATT-Net testing experience with the 2051X's external display connection.



Safe - Accurate - Versatile

RADIANT
Research
Power and Energy Measurement Solutions

Specifications

General

Operational Range	Aux Power – 90-300VAC (autoranging), 500W max Frequency – 45-65 Hz Humidity – 5 to 95% non-condensing
Environmental	Operating Temperature -10 to 50C Storage Temperature -20 to 70C
Display	6.5" Touch Screen LCD, 640x480
Communications	2 USB Ports 1 Ethernet 10/100 Port 1 RS232 Com Port 1 Advanced I/O Port (for KYZ) 1 Optical Communication Port 1 External Display Port
Supported Meter Forms	1S, 2S, 3S, 4S, 5S, 6S, 8S, 9S, 10S, 12S, 13S, 14S, 15S, 16S, 25S, 26S, 29S, 35S, 36S, 45S, 56S, 66S, 96S
Dimensions	15" W x 15" H x 19.5" D
Weight	50 lbs
Warranty	2 Years

Output Source

Voltage	Output – 20-480VAC Resolution – 10mV Harmonic Distortion - <1% Harmonic Generation – up to 50th Order
Current	Output – 0.1-50A Resolution – 1mA Compliance – 60VA Harmonic Distortion - <1% Harmonic Generation – up to 50th Order

Measurement

Function	Reading	Accuracy (ppm) ^{1, 2}	Temperature Coefficient (ppm/C) ⁴	NOTES:
Power/Energy 2,3 Power Factor	250mA to 50A 0.5 PF Unity PF	0.04% (400) 0.04% (400) 0.02% (200)	10	1 TCAL = 23° C 2 Includes variables for stability, Power Factor, and traceability uncertainty, 20° C to 30° C 3 For > 1 second test 4 -10 to 50C
Phase Angle	0-360°	0.012°		
Frequency	45-65 Hz	0.0001%		