

WAPM-401 HAND-HELD POWER METER

**WISE AIR 4.0**<sup>®</sup>  
MEASURE TO MANAGE

**2025**

**Smart Measurement Solutions  
for Compressed Air and Gases**

**WISEAIR TECHNOLOGIES INDIA LLP**

[www.wisear.in](http://www.wisear.in)



## About Us

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Our Vision At WiseAir Technologies is to Offer Our Customers With Innovative and Advanced Measurement Solutions for Compressed Air and Gases at Affordable Costs. With Over 22 Years Experience in The Field of Compressed Air Management, We Have Developed Products that are More Accurate, Smart, Reliable, State-Of-The-Art and Easy to Use. We Aim to Transform The Traditional Manufacturing and Industrial Practices With Our Latest Smart Technologies. Hence We Primarily Focus On Offering Products Which Use Large-Scale Machine To Machine Communication (M2M) and Industrial Internet of Things (IIoT) To Provide Increased Automation, Improved Communication, Self Monitoring To Analyze and Diagnose Issues Without The Need For Human Intervention. Our “WA” Range of Smart IIOT Sensors, Can Be Easily Networked Together With Manufacturing And Energy Management Softwares. This Connectivity Allows For Seamless Data Collection, Exchange and Analysis To Potentially Facilitate Improvements In Productivity And Efficiency Resulting In Huge Economic Benefits.

## Our Network

Our Smart Sensors are Developed with Design and Technology Support from Our Partners Across North America, Europe and Asia. With Our Strong Network of Partners, we offer Seamless and Best-in-Class Service to Our Customers.



### Artificial Intelligence & Machine Learning Software

Our software are programmed to analysis and self Diagnose the Measured Datas

### Smart IIOT Sensors

For measurement of Flow, Power, Dew Point and Pressure

### Product Experts

Product Specialists with Decades of Experience in Compressed Air Measurement and Management

## INTRODUCING THE **WAPM-401** HAND-HELD POWER METER



The WAPM 401 Hand-Held Power Meter is a versatile and portable solution for real-time power measurement. Designed for professionals, this device provides accurate data on voltage, current, and power consumption across various applications. Its compact design and user-friendly interface make it ideal for field measurements, troubleshooting, and energy audits.

Advanced features like high-resolution display and data logging, the WAPM 401 ensures efficient energy management and helps identify inefficiencies in electrical systems.

### Key Features

- ▶ High linearity from 1A to 1000A
- ▶ Wide Dynamic Range
- ▶ Very useful with large size or awkward shaped conductors or in places with limited access
- ▶ No danger from open-circuited secondary
- ▶ Not damaged by large overloads
- ▶ Non-intrusive, no power is drawn from the main
- ▶ Measurement uniformity at any position of the conductor inside the coil
- ▶ Excellent degree of rejection to the external current conductor

### Applications

- ▶ Energy Audits – Evaluates energy consumption in industrial and commercial setups.
- ▶ Electrical Maintenance – Provides precise measurements for diagnosing faults and verifying system performance.
- ▶ Renewable Energy – Tracks performance of solar panels and wind turbines.
- ▶ Industrial Equipment Testing – Assesses energy usage and power quality in heavy machinery.
- ▶ Building Management – Ensures efficient energy distribution and detects overloading issues.

### Ordering Code

- ▶ WAPM - 401

Poles Description : 3PH3W, 3PH4W, 1PH3W, 1PH2W Power Supply : 2900 man Lithium Battery or 5VDC  
- Harmonics : 51 THD -16 GB Memory, USB - Dick Download Data - Modbus TCP Communication -  
Connect : Rogowski Coil and 333 mV - 3 Rated Current Selectable : 600A/3kA/6kA (600A/6kA Should  
Connect to 50 mV/kA Mini Flex, 3kA Should Connect to 85 mV/kA Mini Flex) - Voltage, Current,  
Harmonic, Demand, Power Factor, Frequency, Max/MinValue, active reactive apparent power and  
energy Accessories: 5 Pcs Voltage clamp, Adaptor - Carry Case of IP 67 Protection Class

	WAPM-4100	WAPM-4120	WAPM-4130	WAPM-4140
Coil Length	80 mm	97 mm	130 mm	300 mm
Window Size	16 mm	24 mm	36 mm	36 mm
Reference Rated Current	100 A	300 A	600 A	100 A
Weight	Approx 80g - 100g			
Coil Resistance	from 100 to 300			
Maximum Current Measurable	100kA			
Coil Section	6 mm			
Lead Length	2 Meters			
Output (di/dt)	Uncalibrated	60mV/kA @ 50Hz 72mV/kA @ 60Hz		
	Calibrated	50mV/kA @ 50Hz 60mV/kA @ 60Hz		
Read Accuracy	Calibrated <0.5% (central position, 25 C) Uncalibrated <5% tolerance (central position, 25 C)			
Temperature	Uncalibrated 200ppm/C			
	Calibrated 400ppm/C			
Position Error	±1% Maximum			
Output on 0A (Zero Drift)	≤1 mV			
Phase Error	≤ 0.5 mV			
Linearity	±0.2% of reading			
BandWidth	1 Hz to 1 MHz (-3dB)			
Operating Temperature	-30 C to 80 C			
Storage Temperature	-40 C to 90 C			

	WAPM-4100	WAPM-4120	WAPM-4130
Coil Length	395 mm	525 mm	665 mm
Window Size	100 mm	150 mm	200 mm
Reference Rated Current	1000 A	3000 A	6000 A
Weight	Approx 100g - 120g		
Coil Resistance	from 100 to 250		
Maximum Current Measurable	100kA		
Coil Section	8 mm		
Lead Length	2 Meters		
Calibrated	85mV/kA @ 50Hz 50mV/kA @ 50Hz		
Uncalibrated	150mV/kA @ 50Hz		
Read Accuracy	Calibrated <0.5% (central position, 25 C) Uncalibrated <5% tolerance (central position, 25 C)		
Temperature	Uncalibrated 200ppm/C		
	Calibrated 400ppm/C		
Position Error	±1% Maximum		
Output on 0A (Zero Drift)	≤0.1 mV		
Phase Error	≤ 0.5 mV		
Linearity	±0.2% of reading		
BandWidth	1 Hz to 100 kHz (-3dB)		
Operating Temperature	-30 C to 80 C		
Storage Temperature	-40 C to 90 C		



For More Info  
**SCAN HERE**



**UNDERSTAND COMPRESSED AIR SYSTEM DYNAMIC  
WITH OUR ADVANCED MEASUREMENT SOLUTIONS**

**MEASURE – MANAGE – SAVE – SUSTAIN**



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