

WAPM-402 PANEL MOUNTED POWER METER

WISE AIR 4.0[®]
MEASURE TO MANAGE

2025

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

WISEAIR TECHNOLOGIES INDIA LLP

www.wisear.in



About Us

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-402** PANEL MOUNTED POWER METER



The WiseAir Power Meter is a cutting-edge solution designed to deliver accurate and real-time monitoring of electrical parameters. Ideal for industrial, commercial, and residential applications, it helps users analyze voltage, current, power factor, and energy consumption efficiently.

With advanced analytics and easy integration into existing systems, this power meter empowers users to optimize energy usage, reduce costs, and ensure system reliability. Its durable design and high-performance capabilities make it suitable for a variety of demanding environments.

Key Features

- ▶ WAPM 4200 Series Integrators can be combined with any model of WAPM 4100 Series Miniflex coils.
- ▶ The available values are 4-20mA DC.
- ▶ On Request, the input value can be customized according to the application.
- ▶ WAPM 4200 Series Integrator and Miniflex coil are a very flexible system, suitable for high Power load analysis, impulsive current monitoring, DC ripple measurement, etc.
- ▶ Due to its specific features, flexible Miniflex coil is an extremely comfortable solution for current measurement and can be used in a number of cases where the traditional current transducer is not an adequate solution.

Applications

- ▶ Energy Management – Monitors energy consumption to identify inefficiencies and reduce costs.
- ▶ Industrial Automation – Tracks power parameters in complex systems to maintain performance.
- ▶ Renewable Energy Systems – Measures output and performance of solar and wind energy installations.
- ▶ Building Management Systems – Assists in managing power distribution and detecting overloads.
- ▶ Data Centers – Monitors power usage for high-efficiency operations.
- ▶ Testing & Maintenance – Aids in diagnosing faults and verifying system performance during electrical testing.

Ordering Code

▶ WAPM - 402

Panel Mounting Multifunction Energy Meter Size 96*96 mm, - Poles Description 3PH3W, 3PH4W, 1PH3W, 1PH2W, Communication RS 485, Power Supply:85-240V, Harmonic 56THD,1*digital Output, Connect: Miniflex coil Rated Current : 500A, 1000A, 3000A, 6000A (Only Choice one point) - U, I, P, Q, S, PF, Hz, EP, EQ, ITHD, UTHD, ITHD%, UTHD%

Technical Data Sheet

	WAPM 402	WAPM 403
Product Component Type	Multifunction Power Meter	
Poles Description	3PH4W 3PH3W 1PH2W(L-N);1PH2W(L-L);1PH3W(L-L-N)	
Device Application	Power Analysis Energy Meter	
Input Type	External CT(333mV only) and External Miniflex Coil	
Display	TFT Screen display	
Sampling Rate	8K samples per Second	
Mounting Mode	Panel Mounting	DIN Rail
Harmonic	52th Max	
Display Characteristics		
Feature	3.5" TFT Screen Display 320*480	2" TFT Screen Display 220*170
Mechanical Characteristics		
Weight	350g	212g
Dimension	L*W*D:96*96*99mm	L*W*D:76*95*71mm
Measurement Accuracy		
Current	0.5% from 1% to 120% (do not ensure accuracy when<10A)	
Rated Current	500A(0.5% from 10A to 600A) 3000A(0.5% from 30A to 3600A) 10kA(0.5% from 100A to 12kA)	
Miniflex Coil Specification	85mV/KA@50Hz±0.5%(default)	
Voltage	0.2% from 80V to 400V(or 100 to 500V)	
Power Factor	±0.005 from 10% to 120%	
Active / Apparent Power	IEC62053-22 V Class 0.5	
Reactive Power	IEC62053-21 Class 2	
Frequency	0.01% from 45 to 65Hz	
Active Energy	IEC62053-22 Class 0.5s	
Reactive Energy	IEC62053-21 Class 2	
Measurement Arrange		
Measured Voltage	80V to 400V AC (or 100 to 500V)	
Frequency Range	50/60Hz	
Input - Current Characteristics		
Primary Current Range	Adjustable from 0.1A to 9999A	
Measurement Input Range	0.3mV - 333mV	
Permissible Overload	400mV Continuous, 1.2V or 1 Second	
Control Power		
AC / DC	85 to 265V AC/DC,3.5W	
Output		
Digital Output	1 X DIGITAL OUTPUT(2 Ports) from 1Pcs relay, rated 24V/800mA, 75mΩ max, 2.5kVrms insulation (controlled by Modbus) Maximum Switching Power: 0.5A, 125VAC 1A,30VDC	
Wire Diameter for Terminals		
Connections - terminals	Screw terminals 2.5mm, interval 5.08mm	
Alarm		
Setting	U and I each Phase, AVG	
Output Form	Relay	



For More Info
SCAN HERE



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

MEASURE – MANAGE – SAVE – SUSTAIN



WISEAIR TECHNOLOGIES INDIA LLP

 +91 90477 78715

 info@wiseair.in

 www.wiseair.in

 Plot No.12, Sri Venkatalakshmi Nagar,
Singanallur, Coimbatore - 641005. INDIA.

Follow Us

