

COMPRESSED AIR ENERGY SAVING SOLUTIONS

WAPM 402 & 403 Power Meter



MEASUREMENT SOLUTIONS:

- Compressor Master Controllers
- Smart Flow Sensors
- Dew Point Sensors
- Power Meters
- Real Time Smart Monitoring Software

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 19 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, SelfMonitoring 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.



Smart IIoT Sensors

For Measurement of Flow, Power, Dew Point and Pressure



Artificial Intelligence and Machine Learning Softwares

Our Softwares Are Programmed to Analyse and Self Diagnose the Measured Datas



Product Experts

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

Simplify Your Compressed Air Management With Our Smart Technology

Compressed Air Systems are Dynamic and Highly In-Efficient. Hence they Require Continuous Monitoring for Sustained Benefits. With Our WiseAir 4.0 Smart Sensors and M2M / AI Softwares Your Compressed Air System is Measured, Analysed and Improved Over Time.

With Our Seamless and Detailed Analytical Reports You Can Keep Track Of Your Compressed Air Systems Efficiency with Minimal Human Intervention.



COMPRESSOR LIFE CYCLE COSTS

Understand The True Costs Of Compressed Air

In a Compressor's Life Cycle More than 80 % of its Operating Costs is Spent Towards its Energy. Hence Monitoring and Managing Compressors at their Peak Energy Efficiency will give Significant Energy Savings.

Our Smart Sensors Can Provide Vital Informations Like Flow, Power, Dew Point and Pressure. When Our Sensors are Networked with Our AI Software Programs, All the Measured Datas are Analysed and Reported To You With Suggested Action Plans in Real Time.

Manage Your Compressed Air System Efficiently and Effortlessly With Our WiseAir Smart Sensors and AI Softwares.



Our Services

We Offer Free Assessment Services to Identify the HotSpots For Improvements and Develop Road Maps for Sustainable Results. Our Product Specialists Can Also Offer You Customised Plans for Monitoring the Key Performance Factors Of Your Compressed Air System.

Get in Touch with Our Product Specialists to Understand How Your Factory Can Start Saving in Energy & Costs With Our Smart Solutions..



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POWER METER



WAPM - 402 & 403 POWER METER

Specification

MODEL	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 inch TFT Screen display 320*480	2.0 inch TFT Screen display 220 x 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) 500A(0.5% from 10A to 600A)
Rated Current	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
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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
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Wire diameter For terminals

Connections - terminals	Screw terminals 2.5mm, interval 5.08mm
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Alarm

Setting	U and I each Phase, AVG
Output Form	Relay

Ordering Code:

Product Category	HSN Code	Part No.	Description
Power Meter	9030331000	WAPM - 401	Handheld Three Phase Power Meter
	4202129000	WAPM - 401/E	Power Meter Carrying Case
	9030331000	WAPM - 402	Panel Mounting Multifunction Power Meter / 3.5 inch TFT Screen with Modbus Output
	9030331000	WAPM - 403	DIN Rail Multifunction Power Meter 2.0 inch TFT Screen With Modbus Output
Current Transducer Clamps	8504311000	100	Mini ex CT Coil-Rated Input 100A/Window Size 16 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	110	Mini ex CT Coil-Rated Input 300A/Window Size 24 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	120	Mini ex CT Coil-Rated Input 600A/Window Size 36 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	130	Mini ex CT Coil-Rated Input 100A/Window Size 36 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	140	Mini ex CT Coil-Rated Input 1000A/Window Size 100 mm/Section-8mm/Cable Length-2Meter/Output: 85mV/kA@50Hz
	8504311000	150	Mini ex CT Coil-Rated Input 3000A/Window Size 150 mm/Section-8mm/Cable Length-2Meter/Output: 85mV/kA@50Hz
	8504311000	160	Mini ex CT Coil-Rated Input 6000A/Window Size 200 mm/Section-8mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	A	Code: 500A
	8504311000	B	Code: -1kA
	8504311000	C	Code: -3kA
	8504311000	D	Code: -10kA

LOCATIONS **OUR Network**



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**Understand Compressed Air System Dynamics
With Our Advanced Measurement Solutions**

Measure - Manage - Save - Sustain

Your Local **WISE Air 4.0** [®] Representative: