



**WAPM - 402 / 403
Power Meter**

Compressed Air Energy Saving Solutions

Smart Measurement Technology That You Can Trust



For More Info
SCAN HERE

About Us

At WiseAir Technologies, our mission is to empower industries with innovative and advanced measurement solutions for compressed air and gases. With over 20 years of expertise in the field of compressed air management, we have developed smart, reliable, and state-of-the-art products that are both accurate and easy to use. Our focus is on incorporating cutting-edge technologies like M2M communication and the Industrial Internet of Things (IIoT) to bring increased automation, improved communication, and self-monitoring to industrial processes.

Our WA range of smart IIoT sensors can be easily integrated into existing manufacturing and energy management software to enhance data collection, exchange, and analysis for improved productivity and efficiency.

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 and 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

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.

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.

Connect with Our Expert Product Specialists to Learn How Your Factory Can Begin to Realize Energy and Cost Savings with Our Advanced Solutions.

Call Us

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Email Us

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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.

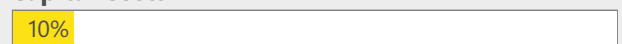
Our Smart Sensors Can Provide Vital Informations Like Flow, Power, Dew Point and Pressure. When Our Sensors are Networked with Our AI Software Programs, All the Measured Datas are Analysed and Reported To You With Suggested Action Plans in Real Time.

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

Energy Costs



Capital Costs



Maintenance Costs





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.

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" 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

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	Miniflex CT Coil-Rated Input 100A/Window Size 16 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	110	Miniflex CT Coil-Rated Input 300A/Window Size 24 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	120	Miniflex CT Coil-Rated Input 600A/Window Size 36 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	130	Miniflex CT Coil-Rated Input 100A/Window Size 36 mm/Section -6mm/Cable Length-2Meter/Output: 50mV/kA@50Hz
	8504311000	140	Miniflex CT Coil-Rated Input 1000A/Window Size 100 mm/Section-8mm/Cable Length-2Meter/Output:85mV/kA@50Hz
	8504311000	150	Miniflex CT Coil-Rated Input 3000A/Window Size 150 mm/Section-8mm/Cable Length-2Meter/Output:85mV/kA@50Hz
	8504311000	160	Miniflex 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

Understand Compressed Air System Dynamics with Our Advanced Measurement Solutions

Measure - Manage - Save - Sustain

Our Network



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