

DIFFERENTIAL PRESSURE FLOW METER

CAE820 COMPRESSED AIR NETWORK AUDITING SYSTEM

Flow Measurement
& Monitoring



DESCRIPTION

CAE820 Compressed air network auditing system offers efficient and convenient measurement and monitoring of compressor(s) and compressed network energy. The system transmits measurement data to corresponding cloud server via wireless network. Users can access and monitor the data anywhere and at anytime, on an Internet enabled device. Measurement data includes the standard flow rate, FAD flow rate, pressure, power consumption and efficiency, load/off loading times, unit power (power consumption per unit of compressed air), and power ratio (power efficiency under a certain productivity of compressed air).

After hardwares are installed and powered, users can log in to the COMATE compressor monitoring system website to review real time and historical data. Measurement data are stored and reports can be generated remotely, without the site visits.

FEATURES

- ✓ Compressed air network auditing system
- ✓ Remote monitoring and reporting
- ✓ View real time data via COMATE compressor monitoring system website or Andoid APP (for tablet)
- ✓ System includes:
 - PTF600 Pitot Tube Flow Meter
 - KW110M power meter, 3 current transformers & 4 voltage clampers
 - Case

TECHNICAL FEATURES

System power supply	AC 220V +/-5%; AC/DC 85 to 265V; AC 380V ±5%
Ambient temperature	-40 to 80°C
Monitoring method	COMATE compressor monitoring system website; or Android APP (for tablet)
Power meter	
Wiring	3 phase 3-wire or 3 phase 4-wires
Voltage measurement range	2nd grade voltage test AC 0 to 400V
Voltage accuracy	0.20%
Current measurement range	2nd grade 0~5A (transformer ratio 500:5)
Current accuracy	0.20%
Power efficiency range	Up to 250KW
Power efficiency accuracy	0.50%
Pipe size for flow meter	DN25 to DN400
Range & accuracy	1% RD + 0.5% FS in 1:32 flow range

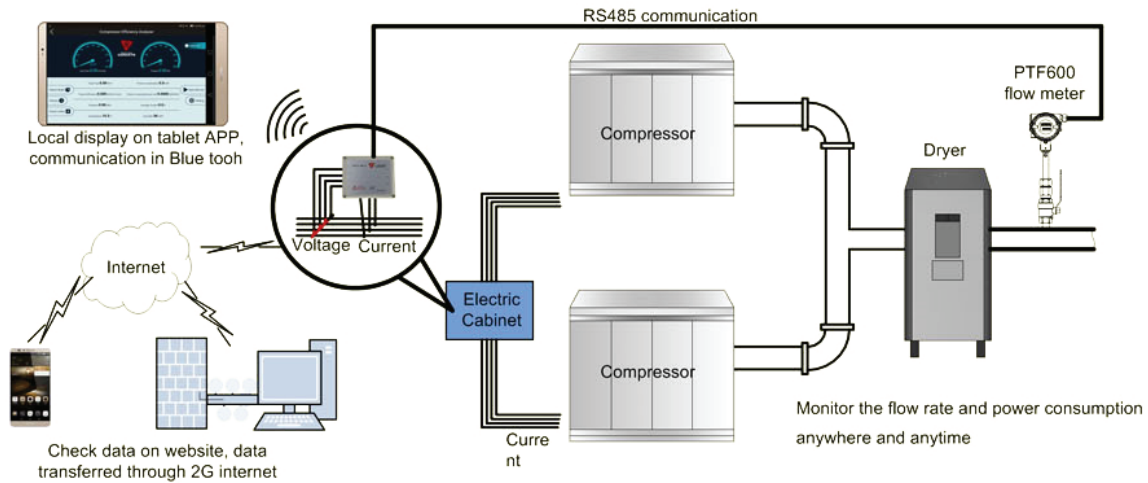
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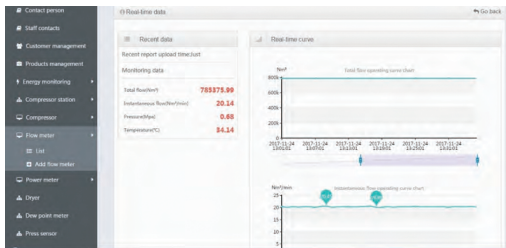
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WORKING METHOD



SAMPLE REPORTS



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