DIFFERENTIAL PRESSURE FLOW METER

CAE520 COMPRESSED AIR NETWORK AUDITING SYSTEM

Flow Measurement & Monitoring



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:
 - PTF520 Pitot Tube Flow Meter
 - IoT data logger
 - KW110M IoT power meter (optional)
 - Drilling tool (optional)
 - Clamp on socket (optional)
 - Cables
 - Case

DESCRIPTION

CAE520 Compressed air network auditing system offers efficient and convenient measurement and monitoring of compressor and compressed network energy. The standard system includes a PTF520 pitot tube flow meter which support hot tap installation and a IoT data logger that transmits the data to corresponding cloud server via 4G wireless network. Users can access and monitor the data anywhere and at anytime, on an Internet enabled device.

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.

(Optional parts include KW110M IoT power meter for power consumption measurement, hot tap drilling tool for installations, and clamp on socket for installations without welding.)

TECHNICAL FEATURES

AC 220V +/-5%; AC/DC 85 to 265V; AC 380V ±5% System power supply

-40 to 80°C Ambient temperature

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)

0.20% **Current accuracy**

Up to 250KW Power efficiency range

Power efficiency accuracy 0.50%

Pipe size for flow meter DN25 to DN300

1.5% of reading+ 0.3% of full scale Range & accuracy

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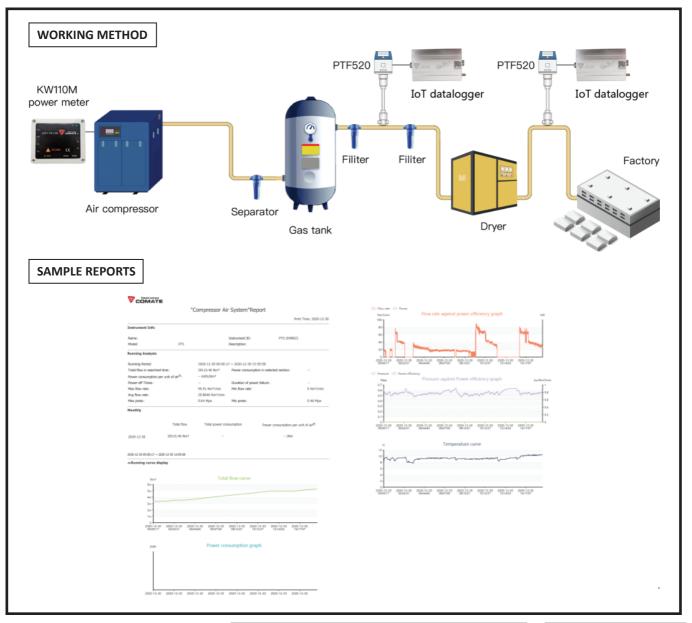


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