

THERMAL FLOW METER

CAE350S COMPRESSOR ANALYZING SYSTEM

Flow Measurement
& Monitoring



DESCRIPTION

CAE350S Compressor analysing system offers efficient and convenient measurement and monitoring of compressors. Bluetooth communication via APP allows users to access and monitor the data on a mobile device. Measurement data includes the mass flow rate, 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). Detailed report and diagrams of compressor system's performance can be generated on the APP for review.

TECHNICAL FEATURES

System power supply AC 220V +/-5%; AC/DC 85 to 265V; AC 380V ±5%
Ambient temperature -40 to 80°C
Communication Bluetooth and 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%
Accuracy Humidity: +/- 4.5 RH
Temperature: 0.5°C

DN100 TGF350S flow meter

Inlet pipe size DN40 to DN100 (1.5" to 4")
Range & accuracy 2% accuracy in 0.5~35 Nm³/min (17.7~1236 SCFM)

DN100 TGF350S flow meter

Inlet pipe size DN100 to DN200 (4" to 8")
Range & accuracy 2% accuracy in 2~90 Nm³/min (70.6~3178.3 SCFM)

FEATURES

- ✓ Compressor analyzing system
- ✓ Communication via bluetooth and APP
- ✓ System includes:
 - TGF350S Thermal Flow Meter
 - Pressure sensor
 - Pipe size adapter
 - KW110M power meter, 3 current transformers & 4 voltage clampers
 - Case

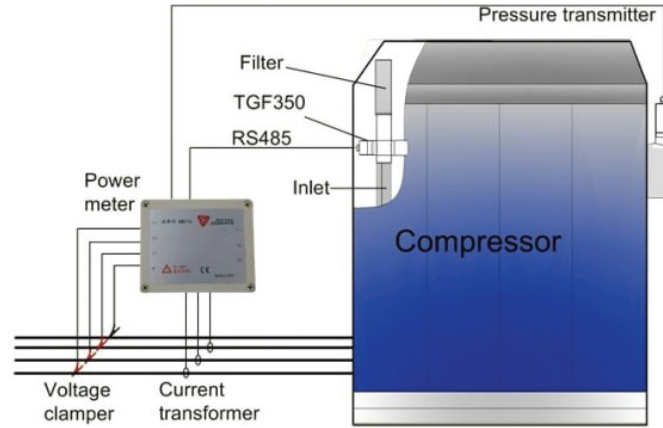
I-SYSTEM MEASUREMENT
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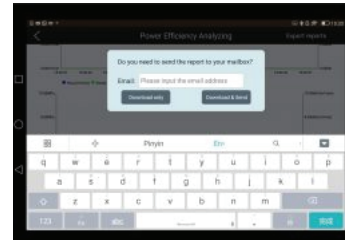
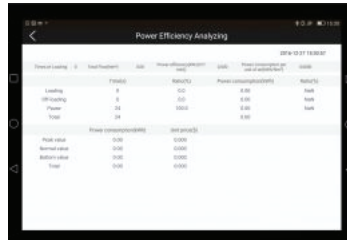
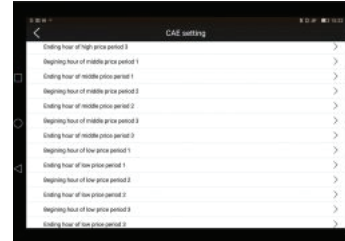
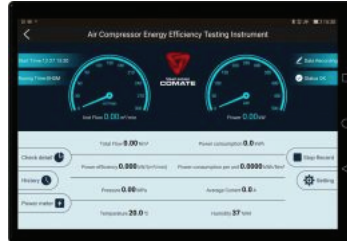
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WORKING METHOD



SAMPLE REPORTS



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