

Specifications for 5ch Voice coil temperature meter Model OMT-405

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1. Summary

This equipment measures the voice coil temperature of at most 5 loudspeakers. Signal source corresponds to all kinds of signals in the reach of the 20kHz from 20Hz (sinewave, white noise, pink noise, standard load test noise and music source.)

A measurement item indicates a chart and the value to time between the temperature and the input voltage.

The connection of the power amplifier also supports bridge connection.

2. System composition

- Main unit
- laptop

3. Specifications

- Channel : 5
- Measurement temperature range : -40°C to 400°C
- Environmental temperature : -40°C to 100°C
- Speaker DC resistance range : 1.5Ω to 40Ω (at 20°C)
- Material of voice coil : copper, aluminum
- Maximum input voltage : 120Vp-p

Signal peak (instantaneous maximum voltage) must not exceed 120Vp-p.

- Response selector : 2 positions to change low-pass cut off frequency
- Power requirements : AC100,110,120,200,210,220,230,240V $\pm 10\%$

Voltage can be specified at the shipment 50/60Hz

- Power consumption : Approx. 50W
- Dimensions : 350(W) \times 120(H) \times 310(D)mm
- Weight : Approx. 6.8kg

• Others

- * Setting by computer independent for each channel.
- * Each channel independent operation mode and setting channel simultaneous start mode can be selected.
- * The main unit and the computer interface is USB.
- * USB cable maximum length between the main unit and the computer is 5meters.

4. Setting and display

- Data sampling : 1second, 10seconds, 60seconds 3range setting
- Measurement time setting : 1minute to 100hours 1minute unit setting
- Stop temperature setting : -50°C to 400°C 1 °C unit setting
- Graph display :
 - * Each channel independent operation mode
 - Each channel tab switching.
 - Temperature and voltage displayed on the same graph.
 - The display of the vertical line (temperature and voltage) and horizontal axis (time) there is a scaling function.
 - * Setting channel simultaneous start mode
 - Each channel temperature and voltage displayed on the some graph.
 - The display of the vertical line (temperature and voltage) and horizontal axis (time) there is a scaling function.
- Data storage : CSV form
- Characteristic graph : JPEG save and the print output. (Printer is optional)

5. Appearance figure



* Design and specifications are subject to change without notice. *