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. Single 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.

This system can use the BTL power amplifier, too.

2. System composition

・Main unit

・laptop

3. Specifications

・Channel：5

・Measurement temperature range：-40℃ to 400℃

・Environmental temperature：-40℃ to 100℃

・Speaker DC resistance range：1.5Ω to 40Ω (at 20℃)

・Material of voice coil：copper, aluminum

・Maximum input voltage：70V peak

(While a noise source is applied, the power amplifier must not be clipped by a peak of the noise signal.)

・Maximum input power：400Wpeak

・Response selector：2 positions to change low-pass cut off frequency

・Power requirements：AC100,110,120,200,210,220,230,240V ±10%

Voltage can be specified at the shipment 50/60Hz

・Power consumption：Approx. 50W

・Dimensions：350(W)×120(H)×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℃ to 400℃　1 ℃ 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.＊