

SPECIFICATIONS
FOR
VOICE COIL TEMPERATURE METER
MODEL OMT-205AH
MODEL AP-1203



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1. GENERAL DESCRIPTION

When OMT – 205 A including OMT-205AH system was modified , this system input signal of 600Vp-p using AP-1203.

Measurement can follow the signal source of sine waves, white noise, pink noise, or music source in the frequency range from 20Hz to 20kHz.

The measured temperature and input voltage are simultaneously displayed on exclusive digital displays. For recording of the changing input voltage and temperature, two DC output terminals are provided and simultaneously recorded to show the relationship between the two.

• This unit can use BTL power amplifier as well as single-ended power amplifier.

2. SPECIFICATIONS

Measuring temperature range and accuracy	0 °C ~ 400 °C Accuracy: ±3% of Reading
Surrounding temperature of the speaker under test	0 °C ~ 40 °C
Resistor (Ω)	2 Ω 4 Ω 8 Ω 16 Ω 32 Ω 5ranges
Material of voice coil	Copper, Aluminum
Maximum input voltage	600Vp-p Note: The power amplifier must not be clipped by a peak of the signal.
Output to the recorder	Temperature (The control of "TEMP REC OUTPUT" is set at the "CAL" (extremely clockwise) position : DC 1 V per 100 °C Voltage (The control of "VOLT REC OUTPUT" is set at the "CAL" (extremely clockwise) position : When "Volt(V) Range" is set to "20 V" → max. DC 2 V When "Volt(V) Range" is set to "300 V" → max. DC 3 V
Recorder output impedance	100 Ω
Ranges for input voltmeter	20 V and 100 V / full range
Response selector	5 positions to change low-pass filter cut-off frequency
Power Requirements	AC 50/60 Hz, 100 V, 110 V, 120 V, 200 V, 210 V, 220 V, 230 V, 240 V ±10% Voltage can be specified at the shipment (internal change)
Power consumption	Approx. 20 VA
Dimensions	OMT-205A 380 mm (W) × 130 mm (H) × 270mm (D) AP-1203 400 mm (W) × 150 mm (H) × 300mm (D) (excluding projections)
Mass	Approx. 8 kg

Design and specifications are subject to change without notice