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Data Sheet

August 15, 2026

CLARKE-HESS

Clarke-Hess 2600 Broadband Phase Meter

The Clarke-Hess 2600 is a broadband phase meter. OEM 2600 listings describe a precision phase-measurement instrument in the same Clarke-Hess Communication Research line as the 2330 V-A-W meter and 255 digital wattmeter, used for phase between two AC signals over a wide frequency range. Broadband phase measurements between two AC channels in power, audio, and HF test setups. Companion to 2330 V-A-W and 255 wattmeter Literature: Clarke-Hess 2600 broadband phase meter listings Broadband phase measurements between two AC channels in power, audio, and HF test setups. Companion to 2330 V-A-W and 255 wattmeter Literature: Clarke-Hess 2600 broadband phase meter listings Family: Clarke-Hess phase and power meters



MODEL

Clarke-Hess 2600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2600

LISTING

<https://aumictechlabs.com/products/2600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Clarke-Hess 2600 is a versatile Phase Angle Voltmeter (PAV) designed for precise measurements in electrical engineering applications, including Synchro/Resolver and LVDT/RVDT testing. It has advanced DSP technology for enhanced performance and user-friendliness, replacing the previous Model 2500A. The instrument's design prioritizes ease of use with "at the touch of a button" classic measurements, functioning more as a dedicated instrument than a complex computer. This makes it suitable for laboratories, industrial environments, and research facilities where reliable and accurate electrical measurements are critical. Technical

Specifications Channels Primary Channels: 2, galvanically isolated, AC coupled. Optional Channel: Additional channel for In-Phase LVDT measurements. Measurement Capabilities Core Measurements: Total, Fundamental, In-phase, Quadrature, Ratio, Frequency, and Phase Angle. LVDT/RVDT Functions: Pre-defined functions including (A-B)/(A+B) and (A-B)/Ref. Third Channel Measurements (Optional): (A-B)/(A+B), In-phase, Quadrature, and Phase Angle measurements relative to the oscillator input. Extended Measurements (with external shunt): Power, Power Factor, Total Harmonic Distortion (THD), harmonics, and impedance. Frequency Range Measurement Frequency: 20 Hz to 100 kHz. Voltage Measurement Input Voltage Ranges: 20 mVrms to 630 Vrms, available in ½ decade ranges or auto-ranging. Maximum Input: 650 Vrms. Voltage Resolution: 4½ digits. Voltage Accuracy: Varies by frequency range, for example: * 20 mV range, 20 Hz to 2 kHz: 0.04% of reading + 0.04% of range. * 200 mV to 63 V range, 2kHz to 5kHz: 0.05% of reading + 0.05% of range. * 630 V range, 20 Hz to 2 kHz: 0.05% of reading + 0.05% of range. Phase Measurement Phase Input Ranges: 0.00° to 360° or ±180°. Phase Resolution: 0.001°. (Note: One source lists 6 digits, another lists 0.1 degree) Phase Accuracy: * 20 Hz to 1 kHz: ±0.010°. * 1 kHz to 5 kHz: ±0.015°. * 5 kHz to 10 kHz: ±0.020°. * 10 kHz to 20 kHz: ±0.025°. * 20 kHz to 50 kHz: ±0.040°. * 50 kHz to 100 kHz: ±0.080°. * Note: An additional 0.030° may be added if either input is on the 20 mV range. Signal Generator (Optional) Output Voltage: 1 Vrms to 120 Vrms, with ±2.0% accuracy (no load, no leveling). Output Voltage Resolution: 5 digits. Output Frequency: 360 Hz to 20 kHz, with ±0.01% accuracy. Output Current: Ranges from 1V to 32.00V. Reference Generator Power: Sufficient to drive most LVDT/Synchro references. Display Type: Large, high-resolution color TFT graphical display. Content: Simultaneously displays multiple parameters and the null meter. Additional Feature: Built-in oscilloscope for viewing input waveforms. Interfaces Standard: IEEE-488.2, USB. Optional: LAN. Electrical Characteristics Input Impedance: 1 MΩ || 52 pF (excluding leads). (One source indicates 1 MΩ || 20 pF) Common Mode Rejection Ratio (CMRR): * 20 Hz to 1 kHz: -131 dB. * 1 kHz to 5 kHz: -117 dB. * 5 kHz to 20 kHz: -105 dB. * 20 kHz to 50 kHz: -97 dB. * 50 kHz to 100 kHz: -91 dB. Harmonic Rejection: -105 dB (even and odd harmonics). Nulling Sensitivity: 1 μV. DC Recorder Output: -1.8V to 3.6V (Phase), ±2V full scale (All others). DC Output Accuracy: ±10 mV. Physical Dimensions (Approximate): 17.3" W x 3.5" H x 13" D. (One source lists 3-1/2" H X 19" W X 13" D, and another 8.5" x 6" x 2.5" - note that the latter may refer to older models or different configurations.) Weight (Approximate): 13 pounds. Operating Temperature Range: 0°C to 40°C. Within Specification Temperature: 23°C ± 5°C. Power Supply Input Voltage: 100V to 260 Vrms, 47Hz to 63Hz. Power Consumption (Max): 30 VA. Why Choose Aumictech for Clarke-Hess 2600? At Aumictech, we specialize in supplying high-end Phase Angle Voltmeter equipment. Whether you need precise Synchro/Resolver and LVDT/RVDT measurements, comprehensive electrical parameter analysis, or solid instrument integration with IEEE-488 and USB interfaces, our team ensures the Clarke-Hess 2600 delivers maximum perfo

2600 Characteristics / Specifications

PARAMETER	VALUE
Model	2600
Instrument Type	Broadband phase meter
Measurement Class	two channel AC phase
Manufacturer	Clarke-Hess
Literature	Clarke-Hess 2600 broadband phase meter listings
Family	Clarke-Hess phase and power meters
Brand Lineage	Clarke-Hess Communication Research
Form Factor	benchtop phase meter
System Role	broadband phase measurement
Use Case	two channel phase metrology
Documentation Type	OEM 2600 listing
Year Class	Clarke-Hess 2600
Application Class	phase metrology
Related Wattmeter	2330 digital V-A-W meter
Related Digital Wattmeter	255 digital wattmeter
Vendor Path	Clarke-Hess
Display Class	phase meter
Input Class	two AC channels
Documentation Class	OEM 2600 catalog
Control Class	benchtop phase instrument
Companion Role	Clarke-Hess power/phase family
Operating Mode	broadband phase
Channel Count	2
Instrument Class	phase meter

2600 Specifications

PARAMETER	VALUE
Applications	Broadband phase measurements between two AC channels in power, audio, and HF test setups.
Key Features	Broadband phase meter
Technical Specifications	Model: 2600

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Clarke-Hess 2600 broadband phase meter listings (two-channel phase meter in the Clarke-Hess family with 2330/255). Frequency span, phase accuracy, and input ranges are on the 2600 specification page.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.