



Photo Courtesy of Department of Defense



H261 Series Temperature Indicator Tester

The H261 Temperature Indicator Tester accurately tests calibration and operation of servo-powered and D'Arsonval temperature indicators.

The H261 Temperature Indicator Tester:

- Simulates thermocouple, resistance temperature devices (RTD's) and other millivolt transducer signals
- Troubleshoots thermocouples and millivolt sources by measuring their outputs
- Measures thermocouple circuit resistance
- Includes synchro input/output circuits to provide testing and troubleshooting of synchro temperature indicator transmitters and receivers (model H261-11)
- Tests three types of RTD's
 - 90.38 ohm nickel probe (range: -70 to 300 °C)
 - 50.00 ohm nickel probe (range: -50 to 300 °C)
 - 50.00 ohm platinum probe (range: -70 to 100 °C)

Servo type indicators, requiring AC or DC power, are powered by adapters that have external power connections.

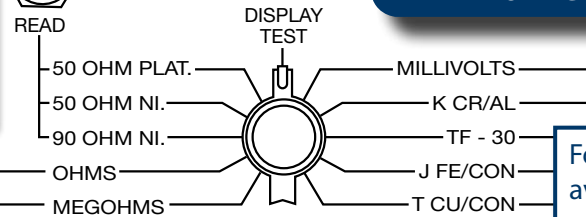


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PORTABLE ENGINE TEST SETS & TRIMMERS

In testing D'Arsonval indicators, the H261 simulates thermocouple signals for testing 8, 15, 22 and 25 ohm indicators.

H261 Temperature Indicator Tester



Four thermocouple curves are available for testing D'Arsonval or servo type indicators:

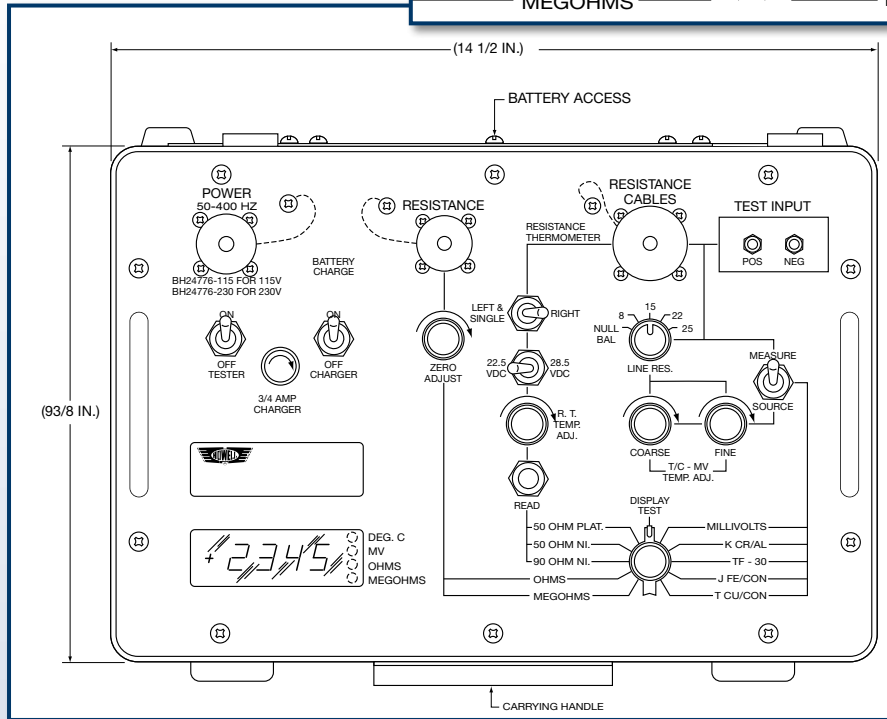
K CR/AL^{®1} (range: -200 to +1400 °C)

TF-30 (range: -10 to +1500 °C)

J FE/CON (range: -100 to +760 °C)

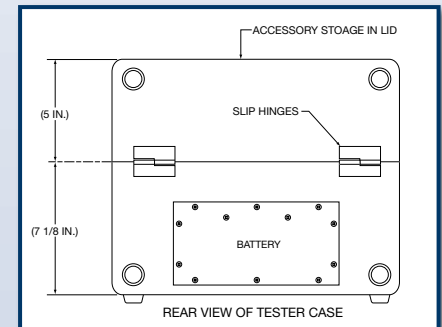
T CU/CON (range: -100 to 400 °C)

The unit is furnished with an input test terminal block for measuring cold junction temperature, so that any of four thermocouple types can be measured or simulated directly in °C. Additionally, 0 to 25.00 linear mV can be measured or simulated.



Specifications

Power	115 or 230 VAC with a rechargeable internal battery supply. Servo-type indicators requiring AC or DC power are powered by adapters, which have external power connections.
Resistance Ranges	Resistance range: 0 to 19.99 megohms Aircraft thermocouple harness resistance: 0 to 39.99 ohms
Accuracy (Specifications are rated at +15 to +35 °C for normal ambient conditions. Extended ambient conditions are rated at -40 to +55 °C, and are shown in parentheses.)	<p>Thermocouple Signal Simulation or Measurement $\pm 1.0, (\pm 3.0) ^\circ\text{C}$</p> <p>Millivolt Source and Measure $\pm 0.02, (\pm 0.05) \text{ mV}$</p> <p>RTD Probe Measurement $\pm 1.0, (\pm 3.0) ^\circ\text{C}$</p> <p>RTD Probe Excitation Voltage 22.5 or 28.5 $\pm 0.5 (\pm 1.0) \text{ VDC}$</p> <p>Thermocouple Harness Resistance Test Circuit 0.02 ohms</p> <p>Synchro Source and Measure $\pm 1.0, (\pm 3.0) ^\circ\text{C}$</p>
Dimensions	14.5 inches H x 9.38 inches W x 12.13 inches D
Weight	Approximately 27 lbs (with cables)



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