

H-ICS-329 Calibration Test Set

The Hampden **Model H-ICS-329** Calibration Test Set consists of precision instruments for calibration of electronic, pneumatic and temperature devices. The set consists of the following:

1. Digital Process Signal and Pressure Calibrator

- a. Display: 4-1/2 Digit LCD
- b. Input Ranges:
 - 100.00 to +100.00mV
 - 50.00 to +50.00V
 - 50.00 to +50.00mA
- c. Output Ranges:
 - 0-110.00mV
 - 0-11.0V
 - 0-22.00mA
- d. Transmitter Simulate Range:
 - 0-22mA
- e. Accuracy (input/output):
 - $\pm 0.01\%$ of rdg ± 1 LSD
- f. Pressure Module:
 - 0-830" H₂O
 - 0-33 psi
 - 2-port
- g. Battery Pack
- h. Lead Set

2. Storage Case

3. Precision Hand Actuated Pressure Pump

- a. Output Range:
 - 2 to 100 psig
- b. Resolution:
 - 0.001 psig, vernier adjustment
- c. Connection Ports:
 - two 1/8" NPT for dual output

4. Thermocouple Indicator/Calibrator

- a. Input Ranges: J, K, T & E
- b. Accuracy:
 - $\pm 1\%$ least significant digit
- c. Resolution:
 - $\pm 1\%$ (F and C)
- d. Digital Display
- e. Update Rate:
 - 3 readings per second
- f. Output Impedance:
 - J, K, T: 80 ohms max.
 - E: 90 ohms max.



MODEL H-ICS-329 Calibration Test Set

- g. Output Ranges:
 - Linearized and cold-junction compensated mV equivalent of input temperature range.
- h. Battery Operated

5. RTD Calibrator

- a. Display: 5 Digit LCD
- b. RTD Type:
 - PT100, PT1000, Cu10, Ni 120, Ni110
- c. OHMS Ranges:
 - 0.00 to 410.00 OHMS
 - 410.0 to 2010.0 OHMS
- d. Accuracy:
 - $\pm 0.025\%$; $\pm 0.013\%$ Typical
- e. Temperature Drift:
 - $\pm 0.01\%$ / °C
- f. OHMS Source Range:
 - 0.01 to 2000.0 OHMS
- g. Intermittent Excitation Current Mode:
 - Accepts intermittent excitation currents with minimum 125 M sec fixed current at minimum rate of 1/sec.
- h. Read Mode (Measurement of external RTD)
 - Excitation current supplied:
 - 1mA nominal

6. Frequency Calibrator

- a. Display: 4-1/2 Digit LCD
- b. Input Ranges: 10 to 2000 Hz/0.01 to 20KHz/1 to 200KHz
- c. Output Ranges:
 - 10 to 1000Hz/0.1 to 10KHz/1 to 100KHz
- d. Resolution:
 - 0.1Hz/1Hz/10Hz
- e. Accuracy:
 - $\pm 0.005\%$ FS $+5$ ppm rdg $+1$ LSD
- f. Output Amplitude:
 - 15V pk-pk max. into 1K ohm or greater adjustable

Option

NIST Traceable Certificate

All Hampden units are available for operation at any voltage or frequency

Hampden
ENGINEERING CORPORATION