

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

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

2. Storage Case

3. Precision Hand Actuated Pressure Pump

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

4. Thermocouple Indicator/Calibrator

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



MODEL H-ICS-329 Calibration Test Set

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

5. RTD Calibrator

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

6. Frequency Calibrator

- Display: 4-1/2 Digit LCD
- Input Ranges: 10 to 2000 Hz/0.01 to 20KHz/1 to 200KHz
- Output Ranges:
 - 10 to 1000Hz/0.1 to 10KHz/1 to 100KHz
- Resolution:
 - 0.1Hz/1Hz/10Hz
- Accuracy:
 - $\pm .005\%$ FS +5ppm rdg +1 LSD
- 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