

### NIST-Traceable Calibration Certificates

InnoCal is a full service provider committed to meeting your calibration and repair needs. Contact us if you do not see your required service listed—capabilities are constantly being updated.

#### Temperature

| NIST-traceable certificate for:                               | Certification test points  | Test data included | Catalog number             | Price |
|---|--|--------------------|----------------------------|-------|
| Thermometer, glass (liquid in glass)                          | Two test points across range* -80 to 300°C (-112 to 572°F)   | Yes                | <a href="#">K-17006-02</a> |       |
|   | Three test points across range*, -80 to 300°C (-112 to 572°F)  | Yes                | <a href="#">K-17006-03</a> |       |
|   | Four test points across range*, -80 to 300°C (-112 to 572°F)   | Yes                | <a href="#">K-17006-04</a> |       |
|   | Five test points across range*, -80 to 300°C (-112 to 572°F)   | Yes                | <a href="#">K-17006-05</a> |       |
|   | Certificate of accuracy only (not NIST-traceable), -80 to 300°C (-112 to 572°F)  | No                 | <a href="#">K-17006-10</a> |       |
| Scanning thermometer, 12- and 24-channel                      | Service includes four temperature test points across one temperature range, as specified by probe type, e.g., type J, K, T, E, for all channels, -80 to 1,000°C (-112 to 1832°F) | Yes                | <a href="#">K-17103-00</a> | †     |
| Scanning thermometer, 12-channel, multiple temperature ranges | Service includes four temperature test points with probes 12 channels, -80 to 1,000°C (-112 to 1832°F)   | Yes                | <a href="#">K-17103-12</a> | †     |
| Scanning thermometer, 24-channel multiple temperature ranges. | Service includes four temperature test points with probes for 24 channels, -80 to 1,000°C (-112 to 1832°F)   | Yes                | <a href="#">K-17103-24</a> | †     |
| Single dry-well calibrator                                    | Multiple test points across range of instrument, -40 to 500°C (-40 to 932°F)   | Yes                | <a href="#">K-17002-16</a> |       |
| Dual dry-well calibrator                                      | Multiple test points across range of instrument, -40 to 500°C (-40 to 932°F)   | Yes                | <a href="#">K-17002-17</a> |       |
| Single high-temp dry-well calibrator                          | Multiple test points across range of instrument, 500 to 1,100°C (932 to 2,012°F)   | Yes                | <a href="#">K-17002-18</a> |       |

\*Please specify user-selectable test points when ordering, or test will be done across range.

†Service priced for meter only, and includes testing of all channels.

| Thermometry type         | Certification test points* against NIST-traceable standards  | Meter only certification   |       | Probe only certification   |       | System (meter and probe) certification |       |
|--------------------------|--|----------------------------|-------|----------------------------|-------|--|-------|
|                          |  | Catalog number             | Price | Catalog number             | Price | Catalog number                         | Price |
| Thermocouple (all types) | Four test points across range of instrument. Meters: -270 to 2316°C (-454 to 4200°F); Probes & Systems: -80 to 1000°C (-112 to 1832°F). Actual range is dependent on type of probe | <a href="#">K-17000-10</a> |       | <a href="#">K-17001-10</a> |       | <a href="#">K-17002-10</a>             |       |
| RTD                      | Four test points across range of instrument. Meters: -200 to 1000°C (-328 to 1832°F); Probes & Systems: -80 to 1000°C (-112 to 1832°F). Actual range is dependent on type of probe | <a href="#">K-17000-04</a> |       | <a href="#">K-17001-04</a> |       | <a href="#">K-17002-04</a>             |       |
| Thermistor               | Four test points across range of instrument. Meters, probes & System: -80 to 150°C (-112 to 302°F)   | <a href="#">K-17000-06</a> |       | <a href="#">K-17001-06</a> |       | <a href="#">K-17002-06</a>             |       |
| Bimetal or dial          | Four test points across range, -80 to 1000°C (-112 to 1832°F)  | —                          | —     | —                          | —     | <a href="#">K-17003-00</a>             |       |
| Infrared                 | Four test points across range, -30 to 500°C (-22 to 932°F)   | <a href="#">K-17004-00</a> |       | <a href="#">K-17004-10</a> |       | <a href="#">K-17004-20</a>             |       |
| IR Calibrator            | Multiple test points across range, -30 to 1000°C (-22 to 1832°F)   | <a href="#">K-17002-19</a> |       | —                          | —     | —                                      | —     |

#### Humidity

| NIST-traceable certificate for:                                   | Certification test points  | Test data included | Catalog number             | Price |
|---|--|--------------------|----------------------------|-------|
| Humidity instrument   | Three humidity test points (30, 60, and 80% RH) and one temperature test point at ambient (22 to 25°C) | Yes                | <a href="#">K-17030-20</a> |       |
| Humidity instrument, Certificate of Accuracy (not NIST-traceable) | Certificate of accuracy across humidity range at ambient temperature                                   | No                 | <a href="#">K-17030-50</a> |       |

#### Pressure

| NIST-traceable certificate for:                                     | Certification test points   | Test data included | Catalog number             | Price |
|---|---|--------------------|----------------------------|-------|
| Pressure/vacuum gauge; 1, 2, or 3% accuracy (not NIST-traceable)    | Certificate of Accuracy across range; 0 to 10,000 psi, 0 to 30" Hg.   | No                 | <a href="#">K-17040-00</a> |       |
| Pressure/vacuum gauge; better than 1% accuracy (not NIST-traceable) | Certificate of Accuracy across range; 0 to 10,000 psi, 0 to 30" Hg.   | No                 | <a href="#">K-17040-02</a> |       |
| Pressure/vacuum gauge; 1, 2, or 3% accuracy                         | NIST-traceable with test data. Five test points across range 0 to 10,000 psi, 0 to 30" Hg   | Yes                | <a href="#">K-17040-10</a> |       |
| Pressure/vacuum gauge; better than 1% accuracy                      | NIST-traceable with test data. Five test points across range 0 to 10,000 psi, 0 to 30" Hg   | Yes                | <a href="#">K-17040-12</a> |       |
| Barometer/barograph   | Three test points across range (950 to 1030 mBar); one temperature test point at ambient (22 to 25°C)   | Yes                | <a href="#">K-17040-30</a> |       |
| Multifunction pressure calibrator                                   | Multiple points across range and function of instrument. Typical functions include pressure, voltage, current, and temperature. Pressure limited to 5,000 psig. | Yes                | <a href="#">K-17002-15</a> |       |

#### Flowmeters

| NIST-traceable certificate for: | Certification test points   | Test data included | Catalog number             | Price |
|---------------------------------|---|--------------------|----------------------------|-------|
| Flowmeter, air/gas              | Five to seven test points across range 0.1 to 80,000 sccm (0.1 to 80 L/min) | Yes                | <a href="#">K-17080-00</a> |       |
| Flowmeter, mass                 | Five to seven test points across range 0.1 to 80,000 sccm (0.1 to 80 L/min) | Yes                | <a href="#">K-17080-10</a> |       |

