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Model 819A
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Made in the USA
www.tegam.com
Is your measurement important?

At TEGAM, we think it is. We are committed to improving your measurement task by:

• Lower Uncertainties
• Better Accuracies
• Faster Readings
• Responsive Support

Contact TEGAM today and put us to the test on your biggest instrumentation or measurement challenge.

Unequaled at Low Resistance
High-Speed, Precise Programmable Microohmmeter

MODEL 1750

- Range – 2 mΩ to 20 MΩ
- Accuracy – 0.02%
- Resolution – 100 nΩ
- Offset Compensated Ohms
- Fast measurement speed (10 ms)
- Programmable reference currents
- GPIB, RS-232C and PLC compatibility
- Easy to operate and easy to integrate

Low Current for Sensitive Test Samples
High Speed Microohm Resistance Meter

MODEL 1740

- Range – 20 mΩ to 20 MΩ
- Accuracy – 0.02%
- Resolution – 1 µΩ
- Measurement Speed – 10 ms
- Programmable reference currents
- GPIB, RS-232 (Model 1740/GPIB) and PLC compatibility
- Kelvin Klips, Spade Lugs or Kelvin Probes available
- Easy to operate and easy to integrate
- 1 year warranty

Digitize Higher Voltages
DC-100 MHz PXI Instrumentation Amplifier

MODEL 4040B

- 100 V Differential Input
- 1 M/50 Ohm Inputs
- Programmable Attenuation/Gain/Offset/Filters
- Low Noise Performance

IMPROVING MEASUREMENTS

Be certain with TEGAM!

Contact us today and put us to the test on your biggest instrumentation or measurement challenge.
Increase the Operating Range of Waveform Generators and DAC Boards

### High Voltage Precision Power Amplifiers

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
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</thead>
</table>
| 2340 / 2350 | - Single and Dual Channel  
- 400 V pk-pk  
- 40 mA  
- DC-2 MHz Bandwidth  
- 250 V/µs Slew Rate  
- Driver for Micro-Mirrors, MEMS, Piezo-Elements and Advanced Electrophoresis |

### High Current Precision Power Amplifier

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| 2348 | - Precision Power Amplifier  
- 50 V pk-pk  
- 750 mA  
- DC-2 MHz Bandwidth  
- 200 V/µs Slew Rate  
- Medical Device Testing, Semiconductor Manufacturing, Pulse Amplifier |

### Lowest Price Bond Meter

Microohmmeter and Bond Tester

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| R1L-B, R1L-BR | - Rugged: MIL-PRF-28800F Class 3 (R1L-BR)  
- Low Price: (R1L-B)  
- Portable: Long Rechargeable Battery Life  
- Ranges: 2 mΩ to 20 Ω  
- Accuracy: 0.25% of reading  
- Resolution: 1 µΩ  
- Simple Operation  
- NSN 6625-01-350-8774 |

### Specifically Designed for Helicopter Maintenance

Microohmmeter and Bond Tester

<table>
<thead>
<tr>
<th>Model</th>
<th>Features</th>
</tr>
</thead>
</table>
| R1L-BR1 | - Rugged: MIL-PRF-28800F Class 3  
- Portable: Long Rechargeable Battery Life  
- Ranges: 2 mΩ to 20 Ω  
- Accuracy: 0.25% of reading  
- Resolution: 1 µΩ  
- Simple Operation  
- Expanded probe storage space  
- NSN 6625-01-625-1970 |
Heaviest Duty Rating for Extreme Environments  
**Ground Resistance Test System**

- **MODEL R1L-C**
  - Rugged: MIL-PRF-28800F Class 2
  - Simple: One Button Test, Auto Range
  - Ranges: 2 \( \Omega \) to 20 k\( \Omega \) (Auto and Manual)
  - Accuracy: 1% of reading on 2 \( \Omega \) range
  - Resolution: 1 m\( \Omega \)
  - 2, 3 or 4 point measurements
  - Offset Compensation
  - Complete Accessory Kit Including SS Ground Rods
  - NSN 6625-01-377-6166

Measurements Over Long Wires  
**High Accuracy Microohmmeter and RTD Monitor**

- **MODEL R1L-D1**
  - Rugged: MIL-PRF-28800F Class 3
  - Portable: Longest Rechargeable Battery Life (140 hours)
  - Ranges: 200 m\( \Omega \) to 2 k\( \Omega \) (Auto and Manual)
  - High Accuracy: 0.05% of reading
  - Resolution: 1 \( \mu \Omega \)
  - 2, 3 or 4 wire measurement
  - Offset Compensation
  - Back Lit Display
  - NSN 6625-01-456-9125

The **ONLY** Bond Meter with Worldwide Approval  
**Intrinsically Safe Microohmmeter and Bond Tester**

- **MODEL R1L-E2A**
  - Rugged: MIL-PRF-28800F Class 2
  - ATEX Ex ia IIA T4 Ga
  - C-UL-US Listed Class I Div. 1, Group D
  - Portable: Long Battery Life (80 hours)
  - Ranges: 2 m\( \Omega \) to 20 \( \Omega \)
  - Accuracy: 0.1% of reading
  - Resolution: 1 \( \mu \Omega \)
  - Simple Operation
  - Offset Compensation
  - Back Lit Display
  - NSN: 6625-01-527-5543

Kelvin test Lead Set  
**Model KTL-100**

Provides a solid 4-terminal connection, required for low resistance measurements. The test leads are 7 feet long each and are terminated with dual banana plugs. The device under test (DUT) end is made of gold plated brass. Maximum jaw opening is 0.6875 in (1.75 cm).

Compatible with TEGAM R1L-B, R1L-BR, R1L-D1

Large Kelvin Test Lead Set  
**Model HKC-100**

Provides a 4-terminal connection to large components that cannot be measured with conventional Kelvin clips. It is robust in construction ensuring a firm grip. Used for connection with large bolts, cables, plates, etc. Test leads are 8 ft long.

Maximum jaw opening is 1.78 in (4.5 cm).

Compatible with TEGAM R1L-B, R1L-BR, R1L-D1
**Kelvin Probe**

**MODEL MKP-6**

Excellent for making four-wire surface resistance measurements on films and other flat metallic surfaces. The probes are marked indicating the sense pins, ensuring error-free measurement. Each probe has two spring-loaded tips that can be easily removed and replaced. Variety of probe tips available. Pin center to pin center is 0.11 in (0.28 cm).

**Cable:** 6 ft. length, terminated with dual banana plugs

**Available Pin Options:**
P/N MKP-B, MKP-F, MKP-H, MKP-J, MKP-LM (shown right) (4 pins per pack) (Pins not included with probe set. Please order separately.)

**Compatible with TEGAM**
R1L-B, R1L-BR, R1L-BR1, R1L-D1

---

**Kelvin Probe**

**MODEL BKP-10**

Excellent for making four-wire surface resistance measurements on bonds and other metallic surfaces. Features replaceable pins for heavy duty uses. Pin center to pin center is 0.19 in (0.48 cm).

**Cable:** 10 ft. length, terminated with dual banana plugs

**Available Pin Options:**
P/N BKP-B, BKP-F, and BKP-H (shown right) (4 pins per pack) (Pins not included with probe set. Please order separately.)

**Compatible with TEGAM**
R1L-B, R1L-BR, R1L-BR1, R1L-D1

---

**‘Pistol Grip’ Probes**

**MODEL HTP-100**

Made for tough duty applications where metal components and surfaces need to be tested for “bonding”. These probes are molded with impact resistant polycarbonate material. Pins are hardened stainless steel and rotate when pressed onto the DUT. Wires are 8 feet long each and are terminated in color coded spade lugs. Pin center to pin center is 0.5 in (1.27 cm).

**Compatible with TEGAM**
R1L-B, R1L-BR, R1L-D1

---

**Kelvin Coaxial Probe**

**MODEL MCP-6**

Ideal for precision resistance measurements in tighter spaces. The probe has a spring-loaded center pin for voltage detection, while the outer pin provides the reference current. The probe comes with two replaceable pins installed. Outer pin diameter is 0.06 in (0.15 cm).

**Cable:** 6 ft. length, terminated with dual banana plugs

**Replaceable Pin Options:** P/N MCP-A (2 pins per pack)

**Compatible with TEGAM**
R1L-B, R1L-BR, R1L-BR1, R1L-D1
PM Series Microwave Power Calibration System

- Supports Sensors from most major manufacturers up to 50 GHz
- Faster than direct compare method
- Lowest total uncertainty
- National Metrology Institute class thermistor reference standard
- Software Automation with MET/CAL® or SureCAL

The PM Series calibrator simplifies the tedious and complex process of RF power sensor calibration. The goal is to realize consistent, cost effective and traceable calibrations. However, the manual approach is very demanding of even the most experienced technician.

A successful calibration involves:
- Setting instruments
- Keeping track of standards
- Computing mismatch ($\Gamma$)
- Computing calibration factors ($\lambda$)
- Computing total uncertainties
- Programming EPROM sensors
- Generating reports and labels

The PM Series automates and standardizes this process while providing compatibility with a wide variety of instruments and power sensors. The PM Series is built upon the 1830A metrology grade RF Power Meter. This is the only RF Power Meter on the market that is compatible with all known types of thermistor sensors including TEGAM, Agilent, Weinschel, Hughes and Millitech.

A new line of compatible RF power thermistor transfer and reference standards have also been developed that provide flexibility and expandability as your RF calibration needs grow. These standards are based on the same time proven method used by NIST, PTB, NIM and other national metrology organizations around the world.
PM Series: The Leading RF Power Sensor Calibration System

Potential System Configurations

PM Series Package Summary

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>PMX18-001</th>
<th>PMX18-002</th>
<th>PMX26-001</th>
<th>PMX50-001</th>
<th>PMX50-002</th>
<th>PMX50-003</th>
<th>PMX50-004</th>
<th>PMC18-001</th>
<th>PMC26-001</th>
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</table>
Microwave Calibration Standards

2.4 mm, 50GHz

**MODEL 2510A**
- Feedthrough design for calibrating microwave power sensors
- Provide lowest-uncertainty monitoring of RF power supplied to a Device Under Test
- 10 MHz to 50 GHz, 2.4 mm connector
- Temperature controlled for minimal response to ambient environment
- Thermistor bolometer design
- 0.01 to 25 mW power range
- Rack Mount Option available

2.4 mm, 50GHz

**MODEL 1510A**
- Terminating Design
- Transfer calibration from NIST (or other NMI) to feedthrough standards with the lowest possible uncertainty
- 10 MHz to 50 GHz, 2.4 mm connector
- Lowest uncertainty of any available CW absolute power sensor
- Temperature controlled for minimal response to ambient environment
- Thermistor DC Substitution
- 0.01 to 25 mW power range

3.5 mm, 26.5 GHz

**MODEL F1135B**
- Can be calibrated at NIST with the lowest uncertainty of any sensor type
- Transfer calibration from NIST (or other NMI) to feedthrough standards with the lowest possible uncertainty
- 10 MHz to 26.5 GHz, 3.5 mm connector
- Lowest uncertainty of any available CW absolute power sensor
- Temperature controlled for minimal response to ambient environment
- Thermistor DC Substitution Design
- 0.01 to 25 mW power range
- Rack Mount Option available

3.5 mm, 26.5 GHz

**MODEL M1135A**
- Can be calibrated at NIST with the lowest uncertainty of any sensor type
- Transfer calibration from NIST (or other NMI) to feedthrough standards with the lowest possible uncertainty
- 10 MHz to 26.5 GHz, 3.5 mm connector
- Temperature controlled for minimal response to ambient environment
- Thermistor DC Substitution Design
- 0.01 to 25 mW power range
- Height adjustable stand available

N, 18 GHz

**MODEL F1130B**
- Can be calibrated at NIST with the lowest uncertainty of any sensor type
- Transfer calibration from NIST (or other NMI) to feedthrough standards with the lowest possible uncertainty
- 100 kHz to 18 GHz, N connector
- Temperature controlled for minimal response to ambient environment
- Thermistor DC Substitution Design
- 0.01 to 25 mW power range
- Rack Mount Option available

N, 18 GHz

**MODEL M1130A**
- Can be calibrated at NIST with the lowest uncertainty of any sensor type
- Transfer calibration from NIST (or other NMI) to feedthrough standards with the lowest possible uncertainty
- 100 kHz to 18 GHz, N connector
- Temperature controlled for minimal response to ambient environment
- Thermistor DC Substitution Design
- 0.01 to 25 mW power range
- Height adjustable stand available
RF Thermistor Power Meter for Metrology

- Frequency Range: 110 GHz (sensor dependent)
- Meter Uncertainty: ±0.05% of reading, ±0.5 µW (0.1% at 1 mW)
- Calibrate 50 MHz reference outputs
- Universal compatibility with DC substitution thermistor sensors
- Directly reads calibrated RF power
- NSN 6625-01-566-7703

Temperature Regulator for Microwave Calibration Standard

- Maintains calibration standards at operating temperature
- Improves calibration throughput
- 2 Channels
- Rack Mount Option

Dual Type IV Power Meter

- Traceable to primary voltage and resistance standards
- Temperature controller for TEGAM/Weinschel Mounts
- Compatible with Agilent (HP) 200 Ohm thermistor mounts and all TEGAM (Weinschel) RF Power Standards
- Internal reference voltage generator for more precise measurements
- Fault indicator illuminates when loop balance is prevented
**Highest Accuracy**

**Automated Precision Ratio Transformer**

- **Model PRT-73**
  - Resolution 0.1 ppm
  - Terminal Linearity as low as 0.9 ppm
  - Bandwidth 50 Hz to 20 kHz
  - Parallel switches reduce contact resistance
  - Switch Resistors virtually eliminate switch transients
  - Ratio range from -0.0111111 to +1.1111110

**Durable and Easy to Use**

**Decade Ratio Transformer**

- **Model DT72B**
  - Resolution 0.1 ppm
  - Terminal Linearity as low as 0.9 ppm
  - Bandwidth 50 Hz to 20 kHz
  - Parallel switches reduce contact resistance
  - Switch Resistors virtually eliminate switch transients
  - Ratio range from -0.0111111 to +1.1111110

**Highest Accuracy**

**Decade Synchro / Resolver Standards and Bridges**

- **Models DSRB-5CDA-4 / DSR-5DA**
  - Resolution 0.0001 degree
  - Range 0 to 360 degrees
  - Accuracy of at least 4 seconds of arc
  - Frequency 400 Hz
  - Direct readout in degrees
  - Switches good for 100,000 turns

**Lowest Cost**

**Ratio Transformer**

- **Model RT-60B**
  - Resolution: 10 PPM
  - Linearity: 0.001%
  - Bandwidth: 50 Hz to 10 kHz
  - Ratio Range: 0 to +1.1111
  - Compact
  - Lowest Cost
Motor Rotation Indicator

MODEL MR-1A

- No need to disconnect drive shaft couplings
- Protects user and equipment
- Identifies open windings
- Reliable, solid state components
- Test clips open ½ in to fit most terminals
- Shirt-pocket size

Phase Sequence Indicator

MODELS T-470A / T-471A

- Instantly and clearly identify A/B/C circuits
- Protects user and equipment
- Fast and easy way to make three-phase connections
- Open phase lights both lamps
- T-470: 115 TO 700 V, 400 Hz
- T-471: 115 TO 700 V, 50/60 Hz

No “Phantom” Voltage Indication

Voltman™ True RMS Industrial Safety Voltmeter

MODEL 125

- Eliminates false readings when induced voltage is present
- Single-switch, single-range, AC/DC measurement to 750 V
- Automatic continuity tester
- True RMS measurement
- Molded probes with retractable probe tip covers
- Dual-probe holder with positive lock probe extension for safe, easy two-handed operation
- Safety and Productivity at an affordable price
- 3 year warranty

Voltman™ Industrial Safety Voltmeter with Audible Tone and Continuity

MODEL 122

- Eliminates false readings when induced voltage is present
- Single-switch, single-range, AC/DC measurement to 750 V
- Automatic, audible continuity tester
- Display lights and tone sounds when voltage is present
- Molded probes with retractable probe tip covers
- Dual-probe holder with positive lock probe extension for safe, easy two-handed operation
- Safety and Productivity at an affordable price
- 3 year warranty

2252 Ω Thermistor Thermometer

MODELS 865 / 866

- Measure temperatures from -55 ºC to +150 ºC (-70 ºF to +300 ºF)
- Accuracy: 0.3 % of reading
- Resolution 1º or 0.1º
- ºF (Model 865) or ºC (Model 866) scales
- Big, easy-to-read LCD display
- 1 year warranty

110A 1000 V AC/DC Safety Voltmeter – Category III

MODEL 110A

- 1000 Volts AC and DC
- Single switch, single range
- Eliminates arc-flash potential during line clearing
- Tested to 2,500 Volts
- 1M of resistance in each test lead to limit current
- IEC 61010-1 Overvoltage Protection Category III, Category IV to 600 V, CE, CSA and UL approved
- Auto Power Off
- 3 year warranty

100 Ω Platinum RTD Thermometer

MODELS 868 / 869

- Display temperatures from -360 ºF to +1100 ºF
- Accuracy: 0.3 % of reading
- Resolution 1º or 0.1º
- Accept three-wire and four-wire platinum probes
- ºF (Model 868) or ºC (Model 869) scales
- Ideal for cryogenic and high-temperature research or industrial monitoring
- 1 year warranty

Call today 800-666-1010 or visit us online at www.tegam.com
Preferred Choice of Food Processors, Simplifies Compliance to HACCP Programs

Single Input Handheld Digital Thermometer

**MODEL 819A**
- Range -346 °F to 2502 °F
- Exceptional accuracy: 0.1 %
- Resolution 0.1/1 °F or °C
- 6 Data logging registers
- Input: K, J and T thermocouples
- Hold display values
- Self-diagnostics show low battery, open TCs, over range, or internal hardware faults
- 2 year calibration guarantee with 3 year warranty

Dual Input Handheld Digital Thermometer

**MODEL 820A**
- Range -346 °F to 2502 °F
- Exceptional accuracy: 0.1 %
- Resolution 0.1/1 °F or °C
- 6 Data logging registers
- Input: K, J thermocouples
- Trend indicators show rising, falling, or stable temperature
- View or continuously scan T1, T2 and T1 minus T2
- Self-diagnostics show low battery, open TCs, over range, or internal hardware faults
- 2 year calibration guarantee with 3 year warranty

**MODEL 821A**
- Range -346 °F to 2502 °F
- Exceptional accuracy: 0.1 %
- Resolution 0.1/1 °F or °C
- 6 Data logging registers
- Input: K, J and T thermocouples
- Trend indicators show rising, falling, or stable temperature
- View or continuously scan T1, T2 and T1 minus T2
- Self-diagnostics show low battery, open TCs, over range, or internal hardware faults
- 2 year calibration guarantee with 3 year warranty

Temperature Calibrator / Thermometer

**MODEL 840A**
- Accuracy 0.3 °C (± 0.5 °F)
- Input K, J and T type thermocouple
- Simulates and measures K, J and T Type thermocouples
- Calibrator and Thermometer in one unit
- Certificate of Traceability
- 2 year calibration guarantee with 3 year warranty

**MODEL 845**
- Simulates and measures 11 Thermocouple types
- Step and Ramp Functions provide fast and easy calibration of process controls and instruments
- Accuracy 0.3 °C (± 0.5 °F)
- Calibrator and Thermometer in one unit
- Certificate of Traceability
- 2 year calibration guarantee with 3 year warranty

**MODEL 850**
- RTD, Ohms, Thermocouple and Thermistor functions
- Calibrator and Thermometer in one unit
- 0.1 °C (± 0.2 °F) RTD, 0.3 °C (± 0.5 °F)
  Thermocouple and Thermistor Accuracy
- Certificate of Traceability
- 2 year calibration guarantee with 3 year warranty

**MODEL 855**
- Step and Ramp Functions provide fast and easy calibration of process controls and instruments
- Calibrator and Thermometer in one unit
- 0.1 °C (± 0.2 °F) RTD, 0.3 °C (± 0.5 °F)
  Thermocouple Accuracy
- Simulates and measures 11 Thermocouple and 2 RTD types
- Certificate of Traceability
- 2 year calibration guarantee with 3 year warranty
Probes Designed for the Food Industry

Penetration Probe

**MODEL 87127**
- Temperature Range: 0 ºF to 900 ºF (-18 °C to 482 ºC)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 3" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probe, Type K

**MODEL 87114A**
- Temperature Range: 0 ºF to 900 ºF (-18 °C to 482 ºC)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 3¾" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Hypodermic Probe, Type K

**MODEL 87127**
- Temperature Range: 0 ºF to 900 ºF (-18 °C to 482 ºC)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 3" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Hypodermic Probe, Type T

**MODEL 87527**
- Temperature Range: 0 ºF to 660 ºF (-18 °C to 349 ºC)
- Accuracy: ±1.5%
- Sensor Type: T
- Sheath: 3" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probes

**87504 SERIES**
- Temperature Range: 0 ºF to 660 ºF (-18 °C to 349 ºC)
- Accuracy: ±1.5%
- Sensor Type: T
- Sheath:
  - Model 87504 - 3¼" length, 304 SS
  - Model 87504-18 - 18" length, 304 SS
  - Model 87504-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probe, Type T

**MODEL 87514**
- Temperature Range: 0 ºF to 660 ºF (-18 °C to 349 ºC)
- Accuracy: ±1.5%
- Sensor Type: T
- Sheath:
  - Model 87514-18 - 18" length, 304 SS
  - Model 87514-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probes, Type K

**87104 SERIES**
- Temperature Range: 0 ºF to 900 ºF (-18 °C to 482 ºC)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath:
  - Model 87104 - 3¾" length, 304 SS
  - Model 87104-18 - 18" length, 304 SS
  - Model 87104-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probes, Type T

**87514 SERIES**
- Temperature Range: 0 ºF to 660 ºF (-18 °C to 349 ºC)
- Accuracy: ±1.5%
- Sensor Type: T
- Sheath:
  - Model 87514-18 - 18" length, 304 SS
  - Model 87514-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probe, Type K

**87104 SERIES**
- Temperature Range: 0 ºF to 900 ºF (-18 °C to 482 ºC)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath:
  - Model 87104 - 3¾" length, 304 SS
  - Model 87104-18 - 18" length, 304 SS
  - Model 87104-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probe, Type T

**87514 SERIES**
- Temperature Range: 0 ºF to 660 ºF (-18 °C to 349 ºC)
- Accuracy: ±1.5%
- Sensor Type: T
- Sheath:
  - Model 87514-18 - 18" length, 304 SS
  - Model 87514-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probes

**86504 SERIES**
- Temperature Range: 0 ºF to 660 ºF (-18 °C to 349 ºC)
- Accuracy: ±1.5%
- Sensor Type: Thermistor
- Sheath:
  - Model 86504 - 3¾" length, 304 SS
  - Model 86504-18 - 18" length, 304 SS
  - Model 86504-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probe, Type K

**86514 SERIES**
- Temperature Range: -40 ºF to +300 ºF (-40 °C to 149 °C)
- Accuracy: 0 ºC to +70 ºC: ±0.20 ºC
- Sensor Type: Thermistor
- Sheath:
  - Model 86514-18 - 18" length, 304 SS
  - Model 86514-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Penetration Probes

**86504 SERIES**
- Temperature Range: -40 ºF to +300 ºF (-40 °C to 149 °C)
- Accuracy: 0 ºC to +70 ºC: ±0.20 ºC
- Sensor Type: Thermistor
- Sheath:
  - Model 86504-18 - 18" length, 304 SS
  - Model 86504-30 - 30" length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Model 87104
Model 87104-30
Model 87504
Model 87504-30
Model 86504
Model 86504-30
Model 87104
Model 87504-30
Model 87114
Model 87114-30
Model 87514
Model 87514-30
Model 86504
Model 86504-30
Model 87104
Model 87104-30
Model 87504
Model 87504-30
Call today 800-666-1010 or visit us online at www.tegam.com
Wire Thermocouple Probes

- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type:
  - Model 8712: K
  - Model 8722: J
  - Model 8752: T
- Sheath: Wire probe, 36” length
- Cord: N/A

Compact General Purpose / Immersion Probes

- Temperature Range:
  - Model 8733: 0 °F to 900 °F (-18 °C to 482 °C)
  - Model 8753: 0 °F to 660 °F (-18 °C to 349 °C)
- Accuracy: ±1.5%
- Sensor Type:
  - Model 8733: K
  - Model 8753: T
- Sheath: 3½” length, 316 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

General Purpose Probes

- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type:
  - Model 8713: K
  - Model 8723: J
- Sheath: 5” length, 304 SS
- Cord: 3 ft vinyl-clad straight cord

Model 8713

General Purpose / Immersion Probe

- Temperature Range: 0 °F to 400 °F (-18 °C to 205 °C)
- Accuracy: -50 °C to +300 °C: ±0.1 Ω
- Sensor Type: RTD
- Sheath: 8” length, 316 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket
- Model 8693-850 for use with 850/855 also available

General Purpose Probe

- Temperature Range: -40 °C to +150 °C
- Accuracy: ± 0.2 °C from 0 °C to 70 °C
- Sensor Type: 2252 Ω Thermistor
- Sheath: 3¾” length, 316 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Model 8753

Model 8723

Model 8713
Air / Gas Probe

MODEL 8716
- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 8' length, 304 SS
- Cord: 3 ft straight cord

MODEL 8696
- Temperature Range: 0 °F to 400 °F (-18 °C to 205 °C)
- Accuracy: ±0.1 Ω
- Sensor Type: RTD
- Sheath: 8' length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket
- Model 8696-850 for use with 850/855 also available

MODEL 8666
- Temperature Range: -40 °C to +150 °C
- Accuracy: ±0.2 °C from 0 °C to 70 °C
- Sensor Type: 2252 Ω Thermistor
- Sheath: 3½” length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket

Surface Probe

MODEL 8715A
- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 6” length, 304 SS
- Cord: 1½ ft vinyl-clad straight cord

MODEL 8695A
- Temperature Range: 0 °F to 400 °F (-18 °C to 205 °C)
- Accuracy: ±0.1 Ω
- Sensor Type: RTD
- Sheath: 6” length, 304 SS
- Cord: 1½ ft (ext. 5 ft) coil cord with Thermoplastic Rubber Jacket
- Model 8695-850 for use with 850/855 also available

MODEL 8737A
- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: Griddle probe, N/A
- Cord: 3 ft armored cable

MODEL 8665A
- Temperature Range: -40 °C to +150 °C
- Accuracy: ±0.2 °C from 0 °C to 70 °C
- Sensor Type: 2252 Ω Thermistor
- Sheath: 8’ length, 304 SS
- Cord: 3 ft coil cord
- Model 83105 is right-angle version

Surface Probe

MODEL 83115
- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 8” length, 304 SS
- Cord: 3 ft coil cord
- Model 83105 is right-angle version

Surface Probe

MODEL 83105
- Temperature Range: 0 °F to 900 °F (-18 °C to 482 °C)
- Accuracy: ±1.5%
- Sensor Type: K
- Sheath: 8” length, 304 SS
- Cord: 3 ft coil cord
- Model 83105 is right-angle version
Our expert team is here to create a solution with you for your specific measurement.

Certifications
