

Special Application Tip Probes

Quick Disconnect and Integral Handle Styles

Made from Special Limits of Error Material



MADE IN USA
MEETS OR EXCEEDS SPECIAL LIMITS OF ERROR (SLE) AND EN 60584-2: Tolerance Class 1
OMEGACAL Factory CAL AVAILABLE See Section I

QD probes have a standard size quick disconnect termination, and can be used with either SDX type ABS plastic or HDX type rugged aluminum handles.

QD-NP-K-316G-12 penetration probe shown with SDX-UST-K-SMP-M handle

*Rated temperature is dependent on thermocouple type, sheath diameter and environment.

GENERAL PURPOSE QD PROBES EG: JQIN-18U-12, AND UTILITY, MOLDED HANDLE PROBES; EG: JHSS-18U-RSC-18, ARE AVAILABLE, SEE PAGE A-117

SDX Series handle shown is sold separately. See page A-127 to order handle.



QD probes feature a quick disconnect connector, and are supplied with mating connector and cable clamp.



HPS probes feature an ABS plastic handle and retractable cable permanently attached to the probe.

- ✓ Perfect for Handheld Meters
- ✓ 300 mm (12") Probe Length Standard
- ✓ Quick Disconnect Probes Supplied with Mating Connector, Cable Clamp and Locking Clip
- ✓ Handle Probes have 300 mm (12") Retractable Cable
- ✓ Cable—Expands to 1.5 m (5')
- ✓ SMP Miniature Male Connector Termination Standard/Molded with Strain Relief or SMPW

MOST POPULAR MODELS HIGHLIGHTED!

Penetration Probe



Model No.	Probe Type
QD-NP-(*)-316G-12	Quick Disconnect
HPS-NP-(*)-316G-12	Integral Handle

Conical tip for insertion into soft and semi-frozen material. Made from 4.5mm (3/16") OD 304 SS. 300 mm (12") length, grounded junction. Tip rated to 900°C (1650°F).

Flexible Tip Surface Probe



Model No.	Probe Type
QD-FSP-(*)-14E-12	Quick Disconnect
HPS-FSP-(*)-14E-12	Integral Handle

Flexible tip conforms to most surfaces for fast, repeatable, accurate measurements. Made from RTV silicone rubber for good thermal contact. 6 mm (1/4") OD 304 SS sheath. 300 mm (12") length, exposed junction. Tip rated to 260°C (500°F). Note: subjecting sensor tip to temperatures above 315°C (600°F) will result in tip damage.

Fast Response Probe



Model No.	Probe Type
QD-RT-(*)-18G-12	Quick Disconnect
HPS-RT-(*)-18G-12	Integral Handle

Special reduced diameter 1.5 mm (1/16") tip designed for fast response. Rugged 3 mm (1/8") OD 304 SS sheath. 300 mm (12") length, grounded junction. Tip rated to 900°C (1650°F).

Air Probe



Model No.	Probe Type
QD-AP-(*)-316E-12	Quick Disconnect
HPS-AP-(*)-316E-12	Integral Handle

Exposed element protected by 4.5 mm (3/16") OD 304 SS sheath. Drilled end exposes bead to airflow for fast measurements. Constant diameter for easy insertion or mounting into duct work. 300 mm (12") length, exposed junction. Rated to 870°C (1600°F).

* Specify calibration Type: J, K, E, or T. Custom assemblies available!
* Other lengths and diameters are also available. Consult Custom Engineering for details.

Ordering Example: HPS-RT-K-18G-12, reduced tip fast response probe, type K, integral handle style, \$50



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters