

Thermocouples with connectionhead

CA 1001 Industrial thermocouple



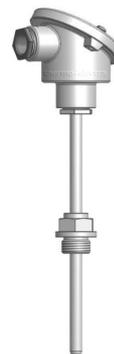
Designed to measure temperatures in industrial environments with gas or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 9mm 316SS acid-proof protection tube. Welded male process connection 1/2"BSP. Aluminium connection head DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1001

CA 1003 Industrial thermocouple



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 9mm 316SS acid-proof protection tube with a welded process connection 1/2"BSP, head extension 50mm (std). Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1003

CA 1004 Fast response thermocouple



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 8m/sec (air) or 0.9m/sec (water). Closed-end 9mm 316SS acid-proof protection tube with 6mm tip. Welded male process connection 1/2"BSP. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Fixed insert, optional 3mm replaceable. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1004

CA 1005 Fast response thermocouple



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 8m/sec (air) or 0.9m/sec (water). Closed-end 9mm 316SS acid-proof protection tube with 6mm tip. Welded male process connection 1/2"BSP, head extension 50mm (std). Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Fixed insert, optional 3mm replaceable. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1005

Thermocouples with connectionhead

CA 1006 Industrial thermocouple flanged to ANSI or DIN 43772 2F, 3F



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 9mm, 11mm, 12mm, or 14mm. 316SS acid-proof protection tube with a welded process flange and head extension. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Optional head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1006

CA 1007 Gas and air temperature thermocouple



Designed to measure temperatures in industrial environments with gaseous media, e.g. air, steam or gas. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 1bar and media velocities of up to 10m/sec. Perforated-end 9mm 316SS acid-proof protection tube. Welded male process connection 1/2"BSP. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1007

CA 1008 Gas and air temperature thermocouple



Designed to measure temperatures in industrial environments with gaseous media, e.g. air, steam or gas. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 1bar and media velocities of up to 10m/sec. Perforated-end 9mm 316SS acid-proof protection tube. Welded process connection 1/2"BSP, head extension 50mm (std). Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1008

CA 1009 Fast response gas and air thermocouple



Designed to measure temperatures in industrial environments with gaseous media, e.g. air, steam or gas. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 1bar and media velocities of up to 10m/sec. Protection tube 9mm 316SS acid-proof protection tube with perforated 6mm tip. Welded male process connection 1/2"BSP. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Fixed insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1009

Thermocouples with connectionhead

CA 1010 Fast response gas and air thermocouple



Designed to measure temperatures in industrial environments with gaseous media, e.g. air, steam or gas. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 1bar and media velocities of up to 10m/sec. Protection tube 9mm 316SS acid-proof protection tube with perforated 6mm tip. Welded process connection 1/2"BSP, head extension 50mm (std). Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Fixed insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1016 General purpose thermocouple



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 9mm 316SS acid-proof protection tube. Process connection, none or optional compression gland 1/2"BSP. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1012 Industrial Thermocouple with integrated transmitter



Thermocouple with integrated head transmitter 4-20mA. Designed to measure temperatures in industrial environments with gaseous or liquid media, eg. Air, steam, gas, water or oil in a stream. Temperature: -200 ° C to 600 ° C. Max 60bar and media speeds of up to 25m / sec (air) or 3m / sec (water). Welded bottom 9mm 316SS acid resistant protection tube. Welded process connection 1/2 "BSP. Aluminium connection head DIN B. gland M20x1.5mm included. Insertion length as required.

Ordering code

Type

CA 1017 Thermocouple with adjustable flange



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 9mm 316SS acid-proof protection tube. Adjustable sliding flange process connection. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

Thermocouples with connectionhead

CA 1018 Industrial thermocouple compression gland mounting



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 10mm 316SS acid-proof protection tube. SS316 compression gland, 1/2" BSP. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1020 Thermocouple for thermowell mounting

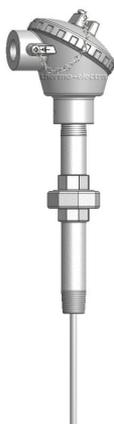


Designed to measure temperatures in combination with a Thermowell for industrial, high pressure and vibrating environments. Thermowell connection by head extension diameter 11mm, Thermowell connection M14x1.4 M18x1.5 or 1/2" BSP. Material: SS316. Temperature range: -200°C to 600°C or higher depending on thermocouple. Coated aluminium IP65 connectionhead type B. Cable entry M20x1.5mm threaded. Springloaded replaceable 6mm insert, other diameters possible. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1021 Heavy duty thermocouple for thermowell mounting



Designed to measure temperatures in combination with a Thermowell for industrial, high pressure and vibrating environments. Thermowell connection by 150mm nipple-union-nipple connection 1/2" NPT male. Nipple-Union-Nipple material: SS316. Temperature range: -200°C to 600°C or higher depending on thermocouple. Coated aluminium IP65 connectionhead type CE. Screw type cover with retaining chain. Cable entry M20x1.5mm threaded. Springloaded replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

CA 1022 Industrial thermocouple



Designed to measure temperatures in industrial environments with gaseous or liquid media, e.g. air, steam, gas, water or oil. Temperature range: -200°C to 600°C or higher depending on thermocouple and the protection tube. Max 60bar and media velocities of up to 25m/sec (air) or 3m/sec (water). Closed-end 9mm 316SS acid-proof protection tube. Welded male process connection 1/2" NPT. Aluminium connectionhead DIN B. Cable gland M20x1.5mm included. Replaceable 6mm insert. Calibration K,T,J,E,N,U or L. Single or duplex. Can be delivered with head mounted transmitter. Insertion length as required.

Ordering code

Type

Thermocouples with connectionhead

MI 1038 Fixed insertion thermocouple probe



Rigidly mounted vibrationproof thermocouple replacement probe. Stainless Steel 316 hex nipple. 1/2"NPT mounting thread on both sides. Seal welded to the probe to suit positive pressure applications. Calibration K,T,J,E,N,U or L. Single or duplex. Diameter 6mm (3mm, 4.5mm, 6.4mm and 8mm optional) Mineral insulated standard 316SS sheathed Optional sheath materials: SS310, Inconel600, Microbell, Hasteloy etc. Measuring junction isolated or optional grounded. PTFE insulated flexible connection wires 150mm.

Ordering code

Type

MI 1038

MI 1039 Springloaded replacement thermocouple probe



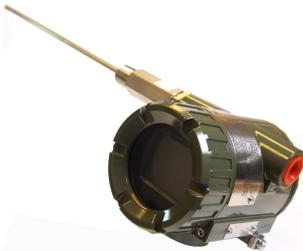
Spring loaded vibrationproof thermocouple replacement probe. Designed to provide fast response when used in a thermowell. Non-sealed 1/2"NPT mounting thread on both sides. Stainless Steel 316 hex nipple. Springloaded 25mm of travel. Calibration K,T,J,E,N,U or L. Single or duplex. Diameter 6mm (3mm, 4.5mm, 6.4mm and 8mm optional) Mineral insulated, 316SS sheathed Optional sheath materials: SS310, Inconel600, Microbell, Hasteloy etc. Measuring junction isolated or optional grounded. PTFE insulated flexible connection wires 150mm.

Ordering code

Type

MI 1039

Industrial Temperature assemblies with temperature transmitters



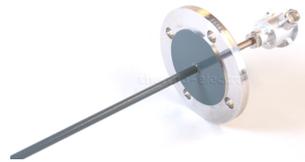
Thermo-Electra offers complete temperature assemblies, consisting of a thermocouple or Pt100 RTD sensor, temperature transmitter hockey puck or with integrated display and thermowell for oil and gas production, as well as petrochemical, power generation and process industries. Our sensors and high pressure resistant thermowells in combination with the Yokogawa YTA50 / YTA70 and YTA110 / YTA310 / YTA320 temperature transmitter are used worldwide in several projects. Hazardous certification for the combination is available. Thermo-Electra industrial temperature sensors can also be combined with the transmitter brand you have standardized.

Ordering code

Type

MITx

Cladding, coating and sleeves



Corrosion resistant sleeves: Thermowell sleeve from Tantalum (Tantalium) or Titanium fit over a standard stainless steel thermowell and provides an economical way to protect against corrosion of highly corrosive chemical solutions and agents. Corrosion resistant coating: PTFE/PFA/PVDF Teflon®/Kynar® or Halar® coating give very good corrosive resistance to almost all chemicals. Very good heat resistant and also has cryogenic stability. Used for Food and Beverage, Pharmaceutical, Acid, Caustic and Electroplating applications. Abrasion resistant overlay: Deloro Stellite® or Eutalloy® as a welded overlay result in an excellent wear resistant thermowell.

Ordering code

Type

Option