

INDUSTRIAL METAL SHEATHED THERMOCOUPLES FOR L&L KILNS

METAL SHEATHED THERMOCOUPLES ON L&L KILNS

The standard thermocouple used on the DynaTrol is Type K. The most common thermocouple configuration that we use is an 8 gauge exposed Type K thermocouple protected with a mullite ceramic protection tube (standard on Easy-fire, Easy-Fire XT, School-Master, Jupiter, eQuad-Pro, Hercules, Easy-Load, DaVinci, Liberty-Belle and Doll kilns).

An alternative to the standard 8 gauge thermocouple is the Type K industrial Pyrocil metal-sheathed thermocouples. You can special order an Easy-fire, Easy-Fire XT, Jupiter, eQuad-Pro, Hercules, Easy-Load, DaVinci, or Doll kiln with Type K pyrocil thermocouples in place of the 8 gauge Type K thermocouple.

Below is metallic sheathed Pyrocil thermocouple:



APPLICATION

These thermocouples are useful where greater responsiveness is required than you will get with the 8 gauge inside of a 1/8" wall thickness ceramic protection tube. This is typically for industrial applications. Most ceramic firing does not need quick response.

We do not recommend using these above cone 6 temperatures (2232°F, 1222°C).

Based on our life testing the pyrocil sheathed thermocouples got about 130 cone 10 firings vs. the 139 cone 10 firings of the 8 gauge thermocouple with the industrial mullite protection tube (a 100 firings for an exposed 8 gauge thermocouple).

DESCRIPTION

Industrial Grade Pyrocil Metal Sheathed Thermocouples are made with a high temperature alloy called Pyrocil.

L&L provides these special thermocouples with a 1/4" diameter sheath. These will last longer than the smaller 1/8" diameter thermocouples that some manufactures use. We use a high quality ceramic terminal block on the end.

The standard Pyrocil thermocouple is 6-1/2" long.

Because the Pyrocil thermocouples are still Type K, no changes need to be made with the control board to use them.

THERMOCOUPLE OFFSET

The typical thermocouple offset of +18 Deg F is NOT used with these Pyrocil thermocouples. The thermocouple offset is initially set for 0 Deg.

ORDERING

PART NUMBER: T-G-E23M/05

Type-K Industrial Grade Pyrocil Sheathed Thermocouples with Ceramic Terminal Block - Unit is 5" Long x 1/4" Diameter. Used on DaVinci, Jupiter, Easy-Fire and other kilns with 2-1/2" or 3" brick walls.

hotkilns.com/type-k-pyrocil-sheathed-thermocouple-5-long

PART NUMBER: T-G-E23M/06

Type-K Industrial Grade Pyrocil Sheathed Thermocouples with Ceramic Terminal Block - Unit is 6-1/2" Long x 1/4" Diameter. Used on Hercules and Easy-Load kilns where the wall has a thickness is 5" of insulation.

hotkilns.com/type-k-pyrocil-sheathed-thermocouple

NOTE: Pyrocil thermocouples can be ordered with a kiln as part of the original equipment.