

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, Renaissance, 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, Renaissance, Jupiter, eQuad-Pro, Hercules, Easy-Load, DaVinci, or Doll kiln with Type K pyrocil thermocouples in place of the 8 gauge Type K thermocouple at no extra charge. There is a slight upgrade charge for a Tru-View Pyrometer system when requesting this option.

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).

According to our life testing they 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.

PRICES

One Type K Pyrocil thermocouple is used for each zone in a kiln using a DynaTrol control board. The number of zones are dependent on the kiln model; typically a kiln will have two or three zones.

One Type K Pyrocil thermocouple is used for any kiln using a One-Touch™ control board.

Type K Pyrocil Thermocouple Upgrade Price

T-G-E23M/UG \$0.00 each.*

*Price only applies at the time of purchase of a new kiln.

Pyrocil Sheathed Type K Thermocouple

T-G-E23M/05 \$70.00 each.