



# Thermocouple

## Kiln Features

### Thermocouples

At Skutt we believe in giving the customer the choice to match the thermocouple that best suits your needs. There are currently 4 types of thermocouples used on the market today and each have their advantages. For more detailed information on choosing a thermocouple read [What is a Thermocouple](#) and [How To Evaluate Thermocouples](#).

#### 8-Gauge Type K - Standard with Every KilnMaster Kiln

- ◆ Double the Life - We supply a free replacement with each new kiln.
- ◆ Accurate - We use only Special Limit Wire which is tested to very highest standards.
- ◆ Responsive- Because it does not have a heavy protection tube this thermocouple is extremely responsive.
- ◆ Durable - The 8-Gauge wire with low mass ceramic insulators is tough.
- ◆ Value - Replacement thermocouples are inexpensive and easy to install.

***Recommended Applications - Low Fire Ceramics. Occasional High Fire OK.***

#### Type S - Special Order Upgrade

- ◆ Cone 10 - This thermocouple can hold up to the high demands of High Fire applications firing after firing.
- ◆ Accurate - Type S wire is the most accurate thermocouple wire available.
- ◆ Responsive - The low mass ceramic protection tube insures that this thermocouple remains responsive.
- ◆ Long Life - This thermocouple does not degrade and will virtually last forever if not broken.
- ◆ No Drifting - Since this thermocouple does not degrade it will not drift.
- ◆ Sealed tube - Protects probe from kiln atmosphere.

***Recommended Applications - High Fire Ceramics and Applications where high precision is critical.***

#### Type K MI Cable - Standard with Every GlassMaster Kiln

- ◆ Accurate - At low fire temperatures this thermocouple is very accurate.
- ◆ Responsive - The low mass thermocouple shield insures responsiveness and eliminates flaking.
- ◆ Durable - The low mass shield is tough.
- ◆ Long Life - At low fire temperatures this thermocouple will last a long, long time.

***Recommended Applications - Low Fire Ceramics and Glass***

#### 8-Gauge Type K w/Ceramic Protection Tube - Special order only

- ◆ A low mass protection tube is currently not available for this thermocouple and therefore we are only recommending this unit for specialized applications. Please contact the factory for details.

**Important - Type S thermocouples may only be used with a Type S controller and Type S thermocouple lead wire and vice-a-versa. Misuse could result in an overfire.**