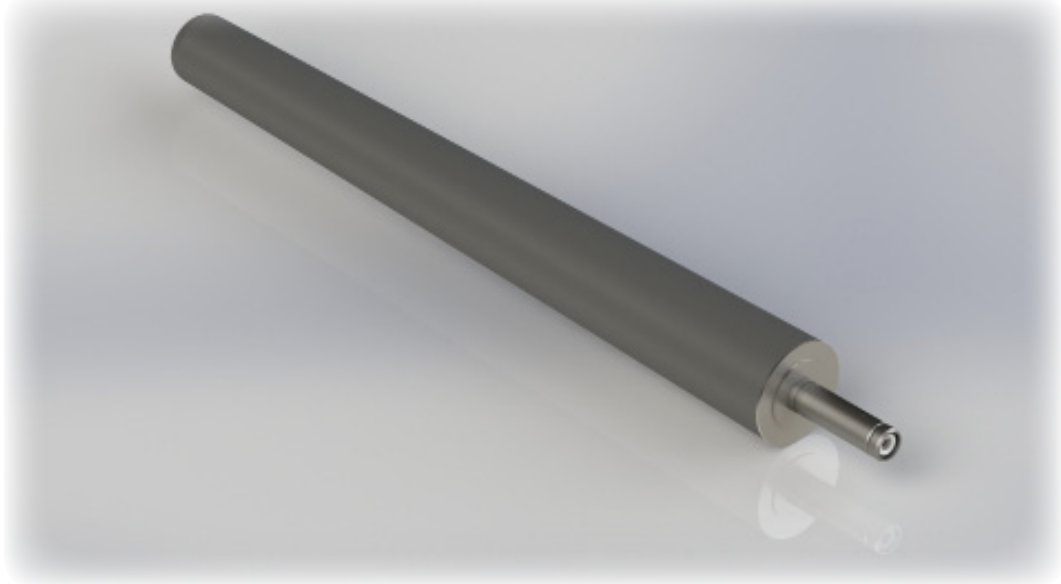


# Acucast®

## Continuous Temperature Measurement



Acucast® is a continuous temperature measurement sensor used for measuring real time temperature in the tundish. It is applied in the side wall of the tundish through a well block and is sealed and held in place using our embedding mortar and a steel retaining plate. It is a reliable and accurate way of measuring molten metal temperature in the tundish on a continuous basis. Acucast® is offered in type B thermocouple calibrated to ITS -90 standard. Each Acucast® sensor undergoes stringent quality checks in various stages of manufacturing thereby ensuring a consistent and reliable performance.

The Acucast® is constructed using a thermocouple protection tube fitted in a alumina-graphite refractory sheath. The refractory sheath provides the first layer of the probe which "sees" the molten metal. It is formulated so as that there is practically no loss in temperature due to thermal gradient and the temperature which the thermocouple reads is accurate. The thermocouple is also protected from high temperature oxidation and also from corrosive gases, etc using a proprietary "getter" material thereby extending the life of the probe tremendously.

Acucast® has a significant advantage over conventional dip-type thermocouple measurement in the sense that the operator can have a close control over the casting speed as the temperature of the liquid metal is read in real time. Also, at the end of the casting sequence, the amount of molten metal left over is significantly reduced as opposed to conventional dip-type thermocouple measurements. It is applicable for all types of tundishes.

All accessories and instrumentation are also offered including hot-zone cables, embedding mortar, well block , instrumentation with dual channel input for both dip type as well as continuous temperature monitoring, large display, etc. The probe can also be highly customized to meet specific requirements.

### Ordering information

#### Acucast® sensor ordering

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Product length = 46cm. Custom lengths can also be made available.

#### Acucast-® accessories ordering

L	N	3	2	3	0	0	2		
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For more details, please contact



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