

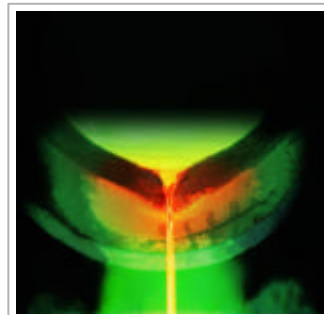
Starline GS

Infrared thermometric system for pig iron.



Infrared thermometric system for temperature measurement during pig iron casting process.

Accurate temperature measurement of the cast flow in melting ovens.



SITEL Control



The data coming from the sensor are processed by a dedicated electronic unit, S4GS, that is provided with all the process functions needed , i.e. the automatic discard of the temperature of the begin and of the end of the cast, (to avoid to acquire nonsense values due to the "tap effect" of the flow) or the average functions that allow to suppress the interferences due to additives that burn, to smokes, etc; it is also provided with analog and digital outputs for an easy and straightforward interlacement with the existing product management and quality control systems of the plant.

The positioning of the sensing optical head of the pyrometer, built in anticorodal anodized aluminum, very roughed and complete of cooling and lens air purge systems, is normally made at a distance of about 1 to 3 meters from the casting flow and way to the caster nose;

If the environmental conditions (ambient temperature, smokes, etc) require, an extra rugged cooled enclosure is available, providing also a quartz optical window with an a easy-to mount device to allow its fast replacement in the case it should be damaged by pig iron squeezes.



Features

MODEL	STARLINE 14 - GS
TEMPERATURE RANGE °C	1300 - 1700
WORKING WAVELENGTH	550 µm
FOCUS RANGE	From 1.000 mm to 3.000 mm
RESPONSE TIME	Max 200 Hz
SENSOR	14 cells array
FUNCTIONS	Peak-picking, averaging, track and hold, alarms
TEMPERATURE COMPENSATION	Electronic compensation
EMISSIONITY	Adjustable from 0,20 to 1,00
TARGET DIAMETER	10 mm at 1000 mm distance
ACCURACY	1° C
STABILITY (TEMP.)	From 0,2° C / ° C
AMBIENT OPERATING	23° C
TEMP. RANGE (AMB.)	From - 10° C to + 60° C
OUTPUT LINEAR	4 - 20 mA or Serial RS 485
POWER SUPPLY	from 12 to 36 V d.c or from 9 to 25 V a.c.
PROTECTION LEVEL	IP 65

Specifics can be changed without notice B. Gr 02

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