Questionnaire for temperature measurement of molten metal

To be able to select the most suitable measurement system for your specific requirements, we kindly ask that you provide us with the following information:

Important!! Please supply us with a digital photo or video of the pouring process at your facility.

Client Address							
Company		Department			Web		
P.O. Box S	treet						
City Code C	lity				Country		
Contact Person		Tel.			E-mail		
Location							
Melting plant:							
Runner of blast furnace/cupola fu	rnace 🗌 R	unner of c	asting machir	ne	Inside the	melting furnace	
Transfer of the molten metal:							
\square Melting furnace \rightarrow holding furnace	е 🗌 н	olding furi	nace → trans	port ladle	Transport	ladle \rightarrow casting lag	dle
Casting process/machine:							
 ☐ Full automatic casting machine ☐ with plug control ☐ casting ladle → mould 	L H c	alf automa asting ladle	atic casting m e → mould	achine	Manual ca casting la	asting dle → mould	
Pouring stream							
Diameter:			_ mm				
Pouring time:		ontinuous		discon	tinuous from	to	_ sec.
Number of moulds per ladle:	from		_ to				
Shortest time between two castings:			_ sec.				
Permitted temperature range:	from		_ to	°C			
Position of the stream:	🗌 fi	x		🗌 varied	(range)
Material of the molten metal:	g	rey cast irc	n	ductile sphere	e/ bidal graphite iron	others	
Number of different melts:	D p	er day		🗌 per we	eek		
Are additives added to the molten stre during the pouring?	am 🗌 Y	es		No			
Environment							
Distance of mounting possibility to the targeted metal stream:			_ mm				
Ambient temperature at the pyromete	r:		_ °C				
Is there a formation of smoke or dust be the molten metal and the pyrometer:	tween	es		🗌 No			

Specification of the instrument									
Type of pyrometer	portable	stationary							
Sigthing system		Through-the-lens	Laser spot light	🗌 Video camera					
Output signal	0/4-20 mA	Switching output							
Digital interface	🗌 RS 485	USB	Profibus	IO-Link					
	O other								
Signal processing									
Do you require on-site readout?	Yes	No							
Do you require readout at the control room?	Yes	□ No							
Do you require data recording?	Yes	No No							
Should the measured values be recorded by a central data logger system?	Yes	No No							
Do you require a warning lamp when the temperature is off the permitted range?	Yes	No							

Additional details or description

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17



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