

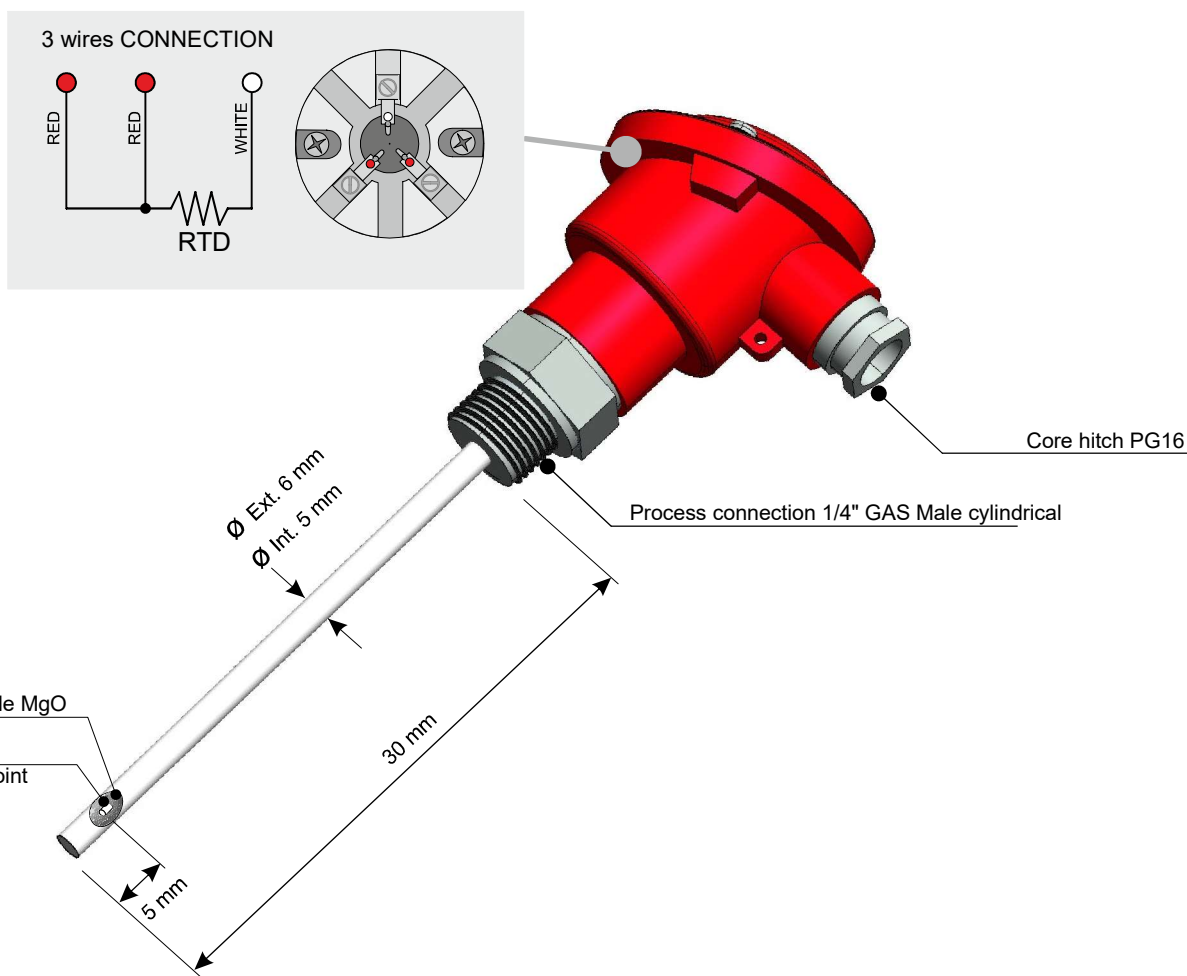
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electronics

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CODE : **2000.90.530**

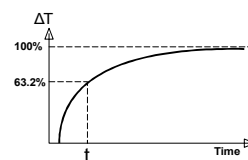
**PT100B-6x30-MGO-1/4"F-DIN/B**

DESCRIPTION :  
PT100B sensor 6x30 mm, 3 wires connection,  
process connection 1/4" GAS, male cylindrical with DIN/B head.



<b>OPERATING TEMPERATURE :</b>	-100°C + 500°C
<b>HEAD MATERIAL :</b>	Steel
<b>IMMERSION MATERIAL :</b>	Steel AISI 316L (food industry)
<b>JUNCTION MATERIAL :</b>	Not available
<b>SENSOR INSULATION :</b>	MgO Magnesium Oxide >20Mohm at 25°C (500Vdc)
<b>TAPERING :</b>	NO
<b>CERTIFICATION :</b>	NO

Response time of RTD with tube in steel AISI-316/304 MgO insulated, according to B.S. 1904/1984/CEI60751. 50mm water immersion at 1m/sec calculated on 63,2% of thermal gradient, according to stem diameter and thickness.



CONNECTION CABLE FEATURES					
SHEATH MATERIAL	TEMPERATURE [°C]		ABRASION RESISTANCE	HUMIDITY RESISTANCE	FLAME BEHAVIOUR
	EXERCISE	INSTANTANEOUS			
PVC	-30 / + 105	+ 105	Good	Good	Self-extinguish
GSC Silicon rubber	-40 / + 250	+ 250	Sufficient	Fair	Self-extinguish
TFE Teflon	-200 / + 260	+ 310	Excellent	Excellent	Self-extinguish
KAP Kapton	-200 / + 400	+ 440	Fair	Good	Self-extinguish
TTS Glass fiber	-200 / + 500	+ 500	Poor	Poor	Incombustible
TTC Ceramic fiber	+ 1000	+ 1100	Poor	Poor	Incombustible

External diameter	Internal diameter	t=Time
6 mm	5 mm	6,5 S
8 mm	7 mm	8,3 S
10 mm	9 mm	10,2 S

ACCORDING TO DIN EN 60751	TEMPERATURE	TOLERANCE
	°C	PT100 B Class (+/-°C)
	-200	1.3
	-100	0.8
	0	0.3
	100	0.8
	200	1.3
	300	1.8
	400	2.3
	500	2.8

## EASYUP CONFIGURATION

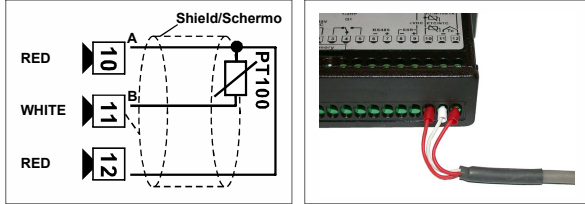
To simplify installation start-up, "EasyUp" mode allows to select type of sensor and to fix its measuring range on the controller by entering a password (see table below).

EASYUP CODE FOR THIS SENSOR :

2200

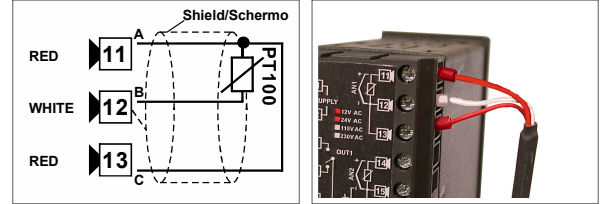
<b>SENSOR SELECTION :</b>	PT100
<b>LOWER LIMIT :</b>	-100°C
<b>UPPER LIMIT :</b>	+500°C

### ATR142 CONNECTION



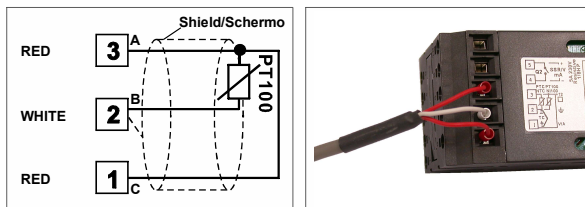
N.B. EasyUp on software version 1.12 or greater

### ATR401 CONNECTION



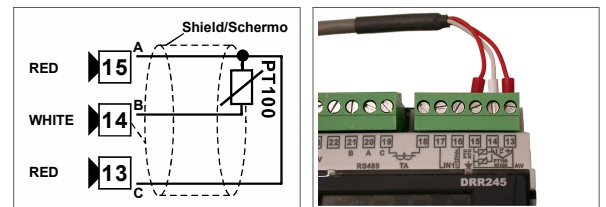
N.B. EasyUp on software version 1.01 or greater

### ATR236 /243 CONNECTION



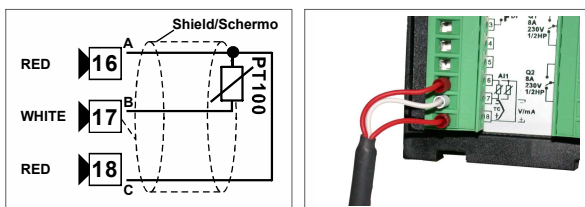
N.B. EasyUp on software version 1.18 or greater

### DDR245 CONNECTION



N.B. EasyUp on software version 1.18 or greater

### ATR621 / 171 CONNECTION



N.B. EasyUp on software version 1.01 or greater