

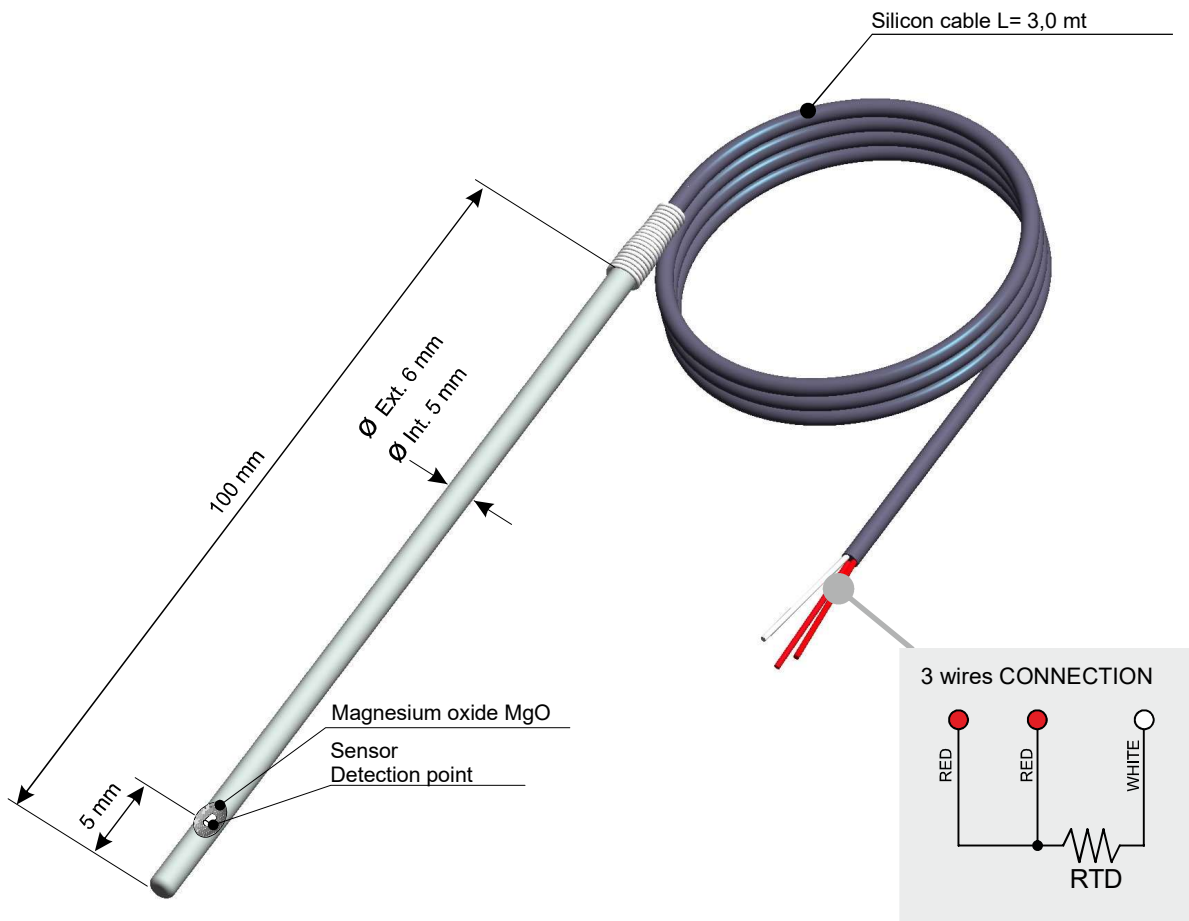
**PIXSYS**  
electronics

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CODE : **2000.90.039**

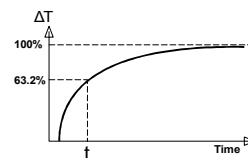
**PT100B-6x50-A304-0000-3,0GSC**

DESCRIPTION :  
PT100B sensor 6x50 mm 3 wires connection,  
no process connection with 3m silicon cable.



<b>OPERATING TEMPERATURE :</b>	-100°C + 250°C
<b>HEAD MATERIAL :</b>	Not available
<b>IMMERSION MATERIAL :</b>	Steel AISI 304
<b>JUNCTION MATERIAL :</b>	Not available
<b>INSULATION MATERIAL :</b>	MgO Magnesium Oxide >20Mohm @ 25°C (500Vdc)
<b>TAPERING :</b>	NO
<b>CERTIFICATION :</b>	NO
<b>CABLE MATERIAL :</b>	GSC silicon

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 speed 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	

## EASYUP CONFIGURATION

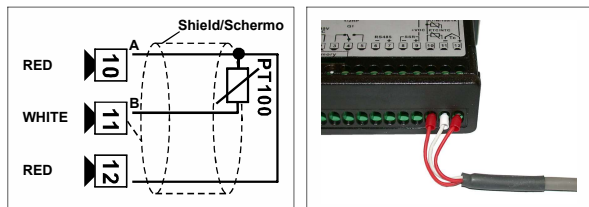
To simplify installation start-up, "EasyUp" mode allows to select type of sensor and to fix its measuring range on the controller by entering a password (see table below).

EASYUP CODE FOR THIS SENSOR :

**2201**

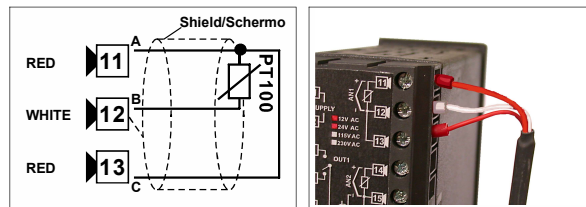
<b>SENSOR SELECTION :</b>	PT100
<b>LOWER LIMIT :</b>	-100°C
<b>UPPER LIMIT :</b>	+250°C

### ATR142 CONNECTION



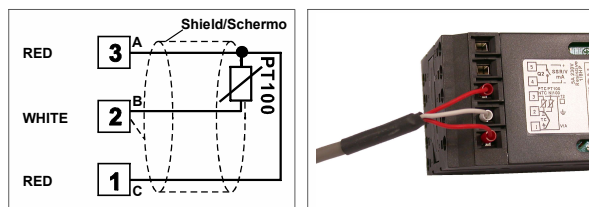
N.B. EasyUp on software version 1.12 or greater

### ATR401 CONNECTION



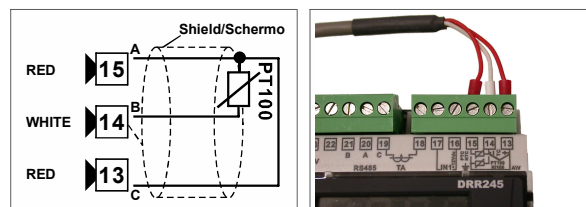
N.B. EasyUp on software version 1.01 or greater

### ATR236 /243 CONNECTION



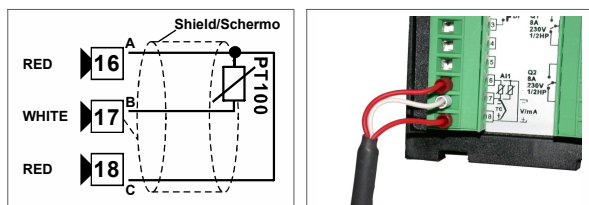
N.B. EasyUp on software version 1.18 or greater

### 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

## THERMOWELL OR SLIDING JUNCTION

**SLIDING JUNCTION :**  
(optional)

Cod. : 2000.30.003 1/8" GAS a Ø 6 mm

Cod. : 2000.30.006 1/4" GAS a Ø 6 mm

Cod. : 2000.30.009 1/2" GAS a Ø 6 mm

**MATERIAL : STEEL AISI 316L**

