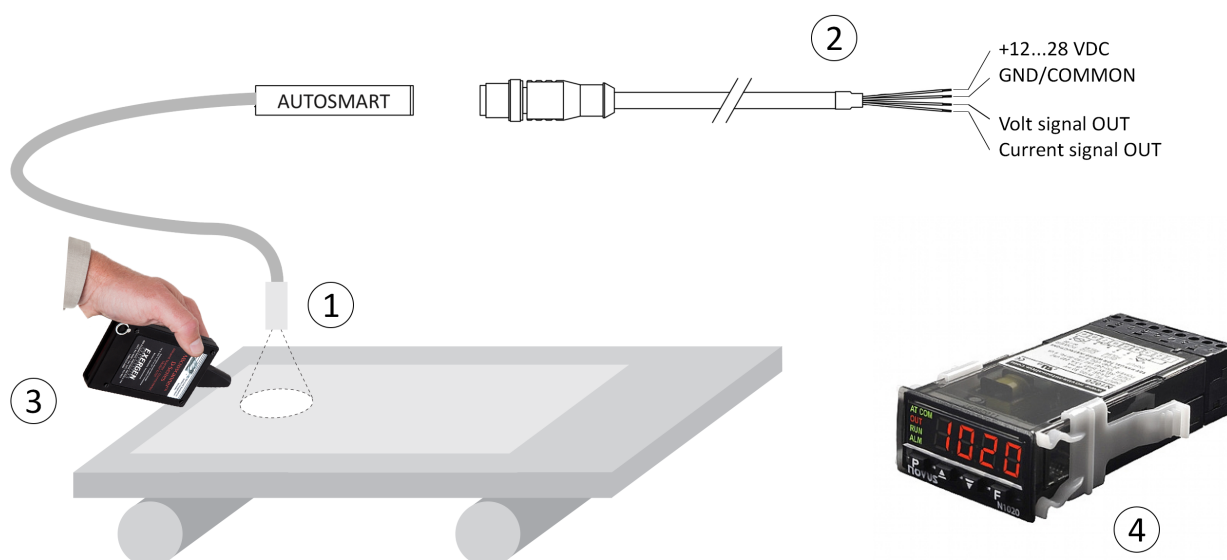


## AUTOSMART INSTALLATION INSTRUCTIONS

The following procedure is recommended:

1. Install the AutoSmartIRt/c as close as practical to view the target material to be measured.
2. Wire the AutoSmartIRt/c to the controller, PLC, etc. in standard fashion (see PINOUT and WIRING DIAGRAM)
3. Bring the process up to normal operating temperature and measure the actual temperature of the target material with the Microscanner D-Series, Infrared Thermometer or any other reliable reference.
4. If using a PID controller: adjust "input offset," "zero", "low cal," on the readout device to match the reading of your reference.
5. Installation Complete. (For OEM installations preset the same adjustments. Individual calibration is not required.)



## WIRING DIAGRAM

PINOUT					
Pin	Color	Function			
1	Brown	+12...28 VDC			
2	Blue	GND/Common			
3	Black	Volt signal OUT			
4	White	Current signal OUT			

## TECHNICAL SPECIFICATIONS

### Temperature

Measuring range	Freely scalable - depending on the used IRT/c
Accuracy (typical)	up to $\pm 0,3^{\circ}\text{C}$ - depending on reference
Resolution	0.01°C
Nonlinearity	< 0,5 % (typical)
Hysteresis	$\pm 1\%$ total measuring range
Repeatability	$\pm 0.01\%$ °C
Reaction time	Depending on the used IRT/c

Connector: Female connector M12 4-pin A-coded

### Power supply

Supply voltage	28V max. DC regulated
Current consumption	< 30 mA
Reverse polarity protection	Yes

### Outputs

Current output	4 ... 20mA / 0...20mA
Voltage output	0...10V / 0...5V, 0...2,5V / 0...1V
Operating system	Win 7, Win 8, Win 10

## TRANSMITTER DIMENSIONS

