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## IR20PTCRead

**D** = Device(ANINP)

**R** = Reading functions

The IR20PTCRead function reads the temperature value for a three point PT100 differential reading mode.

## IMPLEMENTATION

### IR20PTCRead (PTA\_V1, PTA\_V2, PTA\_V3, glResistance, gbError)

Parameters:

IN/OUT	VARIABLE TYPE	EXAMPLE NAME	DIM	
IN	INTDEVICE ANINP	PTA_V1	-	Mnemonic nameof ANINP device used for the entry V1
IN	INTDEVICE ANINP	PTA_V2	-	Mnemonic nameof ANINP device used for the entry V2
IN	INTDEVICE ANINP	PTA_V3	-	Mnemonic nameof ANINP device used for the entry V3
OUT	GLOBAL	glResistance	L	It is the resistance read value expressed in hundredths of Ohm.
OUT	GLOBAL	gbError	B	Variable containing the error code: 0 = no error 3 = disconnected input

### Error

Once invoked the function if there are any errors the error variable having the following values:

0 - No errors

3 - Disconnected input

### Example

```
...
; PT100 resistance reading
IR20PTCRead (PTA_V1, PTA_V2, PTA_V3, resistance, gbError)
...
```

### Note

- The function initializes some parameters related to 3 ANINP devices passed to the function, as follows:

```
PTA_V1:offset = 0
PTA_V1:scaleA = 1
PTA_V1:scaleB = 1
PTA_V1:scaleC = 0
PTA_V2:offset = 0
PTA_V2:scaleA = 1
PTA_V2:scaleB = 1
PTA_V2:scaleC = 0
PTA_V3:offset = 0
PTA_V3:scaleA = 1
PTA_V3:scaleB = 1
PTA_V3:scaleC = 0
```

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