



technical data

measuring range	0-1500 W/m ²
precision	±(5%+10W/m ²)
response time	1sec
long-term-stability	<2% per year
temperature dependence	<0,1%/K *1
power consumption	Ib<10mA
reference conditions	+25°C ±5K
material casing	1.4301/1.4305 / PVDF
process connection	M10
protection category	IP67 according to DIN EN 60529
connection wire (cable-jacket/wire)	Silikon/Silikon 180°C, 3x0,5mm ² , CuSn
cable length KL	5000mm -100+200 *2
colour of cable	black/anthracite

ambient conditions

ambient temperature	-40°C... +75°C
storage temperature	+5°C...+70°C
dew-point-resistance	yes
installation instructions	For mounting in a suitable mounting application

Miscellaneous

certificates	CE-conformity *3
Scope of delivery	1x sensor single-pack in PP-Box, 1xCrimp-type-socket M10 with isolation (blue)1.5mm ² -2.5mm ² DIN46237, 1x Crimp-type-socket M10 with isolation (red) 0.5mm ² -1.5mm ² DIN46237, 1xnut M10 V2A according to DIN EN ISO4032, 2xscrew M6x35 V2A according to DIN7985, 2xscrew4.2x25 V2A according to DIN7981, 1xholding plate 1.4310 for side-mounting, 1xholding-plate 1.4310 for rear mounting
labelling	by engraving of housing, "batch-no"
labelling	by heat-shrink-tube on the cable "batch-no + WW/YY"

Type key configuration

Pos.:	Physical characteristics	Key	Characteristic
1	output signal	A0	4-20 mA (out), Ub=12,5-30VDC *4
		A1	Pt1000 (out), Ub=4,5-13,5VDC *5
		A2	Pt1000 (out), Ub=12,5-30,0VDC *5
		A3	0-5V (out), Ub=7,5-13,5VDC *6
		A4	0-10V (out), Ub=12,5-30VDC *6
		A5	4-20 mA (out) Ub=8,5-13,5VDC *4

Existing configurations

Type	Order number	Item number	Old order number
GIR-7	<u>GIR-7-A0</u>	800-246	
GIR-7	<u>GIR-7-A2</u>	800-450	
GIR-7	<u>GIR-7-A3</u>	800-247	
GIR-7	<u>GIR-7-A4</u>	800-449	
GIR-7	<u>GIR-7-A1</u>	800-083	

Remarks

! Outputs not isolated! ! The sensor housing must be permanently grounded. The sensor can be destroyed if not observed!

*1 (-10°C...70°C)

*2 stripping length AL=40mm +10-10

*3 see additional documents

*4 short-circuit, GND-reference, load $\leq 2k\Omega$

*5 1000-1600 Ohm simulation area, scaleable, max.5V continuous evaluation voltage referred to GND

*6 short-circuit, GND-reference, load $> 2k\Omega$

We reserve the right to make technical modifications and correction at any time without prior notice!

This version of the data / type sheet is a translation by a partner. We assume no liability for translation errors. If the translation contains errors or ambiguities, the German version of the data / type sheet is to be used.

Revision

Version	Effective from	Comment
<u>1.1</u>	12.09.2013 13:46:22	Freigabe PSO/CBR
<u>1.0</u>	09.07.2013 08:40:42	Typenblatt angelegt