

Built-in duct sensor EKF / GFL

with passive output



Technical data		Application
Measuring range:	-30 ... + 150°C (LM 235 Z max. 125°C)	For the measuring of temperatures in liquids and gases that flow in pipes, conduits, air ducts, reservoirs, tanks or containers. If provided for the application in air ducts, the use of a special installation flange is required. If provided for use in liquids, nickel-plated dip sleeves need to be applied. In aggressive media, the use of dip sleeves of stainless steel (V4A) is recommended. Dip sleeves or installation flanges are not included in the scope of the delivery and need to be ordered separately as an accessory.
Sensor:	see table	
Tolerance classes:	PT 100 / PT 1000 DIN EN 60751 B NI 1000 DIN EN 43760 B	
Measurement current:	max. 3 mA	
Electric connections:	2-wire, 0.14 up to 2.5 mm ²	
Dimensioned drawing:		
Material:	polyamide 30% fibreglass reinforced	
Colour:	pure white, similar to RAL 9010	
Ambient temperature:	max. + 70°C	
Degree of protection:	IP 65	
Equipment:	bayonet locks	
Sensor tube:	V2A 1.4301 / 6 mm Ø regarding length, see table	
Dip sleeves:	nickel-plated brass or V4A overview / lengths page 157	
Installation flange:	page 157	
Sensor characteristics:	page 162 - 163	

Sensor	Installation length 65 mm (for 50 mm dip sleeves)	Installation length 115 mm (for 100 mm dip sleeves)	Installation length 165 mm (for 150 mm dip sleeves)	PG
PT 100	Type: EKFP 100/50 Item No.: G9140010	Type: EKFP 100/100 Item No.: G9140140	Type: EKFP 100/150 Item No.: G9140270	S
PT 1000	Type: EKFP 1000/50 Item No.: G9140020	Type: EKFP 1000/100 Item No.: G9140150	Type: EKFP 1000/150 Item No.: G9140280	S
NI 1000	Type: EKFN 1000/50 Item No.: G9140030	Type: EKFN 1000/100 Item No.: G9140160	Type: EKFN 1000/150 Item No.: G9140290	S
NI 1000 TK 5000	Type: EKFN 1000 TK 5000/50 Item No.: G9140040	Type: EKFN 1000 TK 5000/100 Item No.: G9140170	Type: EKFN 1000 TK 5000/150 Item No.: G9140300	S
NTC 1 K 8	Type: EKFC 18/50 Item No.: G9140050	Type: EKFC 18/100 Item No.: G9140180	Type: EKFC 18/150 Item No.: G9140310	S
NTC 3 K	Type: EKFC 03/50 Item No.: G9140060	Type: EKFC 03/100 Item No.: G9140190	Type: EKFC 03/150 Item No.: G9140320	S
NTC 10 K	Type: EKFC 10/50 Item No.: G9140070	Type: EKFC 10/100 Item No.: G9140200	Type: EKFC 10/150 Item No.: G9140330	S
NTC 10 K Prekon	Type: EKFC 10 PRE/50 Item No.: G9140080	Type: EKFC 10 PRE/100 Item No.: G9140210	Type: EKFC 10 PRE/150 Item No.: G9140340	S
NTC 20 K	Type: EKFC 20/50 Item No.: G9140090	Type: EKFC 20/100 Item No.: G9140220	Type: EKFC 20/150 Item No.: G9140350	S
NTC 30 K	Type: EKFC 30/50 Item No.: G9140100	Type: EKFC 30/100 Item No.: G9140230	Type: EKFC 30/150 Item No.: G9140360	S