





Tachogenerators



					
Model	GT 5	GT 9	GTB 9	GTR 9	
Features	<ul style="list-style-type: none"> -High response speed -Open circuit voltage 7...10 mV per rpm -End shaft \varnothing8-12 mm -Top signal quality over the total rotational speed range by patented Longlife technique 	<ul style="list-style-type: none"> -High response speed -Open circuit voltage 10...20 mV per rpm -End shaft \varnothing12-16 mm or cone shaft \varnothing17 mm (1:10) -Top signal quality over the total rotational speed range by patented Longlife technique 	<ul style="list-style-type: none"> -High response speed -Open circuit voltage 10...20 mV per rpm -End shaft \varnothing12-16 mm or cone shaft \varnothing17 mm (1:10) -Top signal quality over the total rotational speed range by patented Longlife technique 	<ul style="list-style-type: none"> -High response speed -Open circuit voltage 20...60 mV per rpm -End shaft \varnothing16 mm -Top signal quality over the total rotational speed range by patented Longlife technique 	
Linearity tolerance	$\leq 0.15\%$	$\leq 0.15\%$	$\leq 0.15\%$	$\leq 0.15\%$	
Temperature coefficient	$\pm 0.05\%/K$ (idle)	$\pm 0.05\%/K$ (idle)	$\pm 0.05\%/K$ (idle)	$\pm 0.05\%/K$ (idle), optional: 0.005 %/K	
Open-circuit voltage	7...10 mV per rpm	10...20 mV per rpm	10...20 mV per rpm	20...60 mV per rpm	
Shaft diameter	\varnothing 8-12 mm end shaft	\varnothing 12-16 mm end shaft / \varnothing 17 mm cone shaft	\varnothing 12-16 mm end shaft / \varnothing 17 mm cone shaft	\varnothing 16 mm end shaft	
Operating temperature	-30...+130 °C	-30...+130 °C	-30...+130 °C	-30...+130 °C	
Protection DIN EN 60529	IP 00 IP 54	IP 00 IP 44	IP 68	IP 56	
E-connection	Plug-in terminals	Plug-in terminals	Connector	Connector	

Tachogenerators


Tachogenerators

- Patented LongLife technique
- Housings ø52 mm, bearingless configuration
- End shaft ø8-16 mm without bearing
- Shaft ø6-18 mm with bearing
- Cone shaft ø17 mm
- Housing with bearing
- Temperature-resistant -30...+130 °C
- High resistance to shock and vibrations
- High protection max. IP 68

				
KTD 2-... B14	TDP 0,09	TDP 0,2	GMP 1,0	TDP 13
<ul style="list-style-type: none"> - High response speed - Open circuit voltage 7...15 mV per rpm - Shaft ø6 mm with synchro flange - Wide rotation speed range 	<ul style="list-style-type: none"> - High response speed - Open circuit voltage 10...60 mV per rpm - Shaft ø6 mm with flange - Top signal quality over the total rotational speed range by patented Longlife technique 	<ul style="list-style-type: none"> - High response speed - Open circuit voltage 10...150 mV per rpm - Shaft ø7-14 mm with flange - Top signal quality over the total rotational speed range by patented Longlife technique 	<ul style="list-style-type: none"> - High response speed - Open circuit voltage 40...175 mV per rpm - Shaft ø12-14 mm - Top signal quality over the total rotational speed range by patented Longlife technique 	<ul style="list-style-type: none"> - High response speed - Open circuit voltage 20...200 mV per rpm - Shaft ø14-18 mm with flange - Top signal quality over the total rotational speed range by patented Longlife technique
≤0.2 %	≤0.15 %	≤0.15 %	≤0.5 %	≤0.15 %
±0.2 %/10 K (-10...+100 °C)	±0.05 %/K (idle)	±0.05 %/K (idle)	±0.05 %/K (idle)	±0.05 %/K (idle)
7...15 mV per rpm	10...60 mV per rpm	10...150 mV per rpm	40...175 mV per rpm	20...200 mV per rpm
ø6 mm	ø6 mm	ø7-14 mm	ø12-14 mm	ø14-18 mm
-20...+100 °C	-30...+130 °C	-30...+130 °C	-30...+130 °C	-30...+130 °C
IP 55	IP 56	IP 55	IP 55	IP 55
Screw connection, 2-pin	Terminal box	Terminal box	Terminal box	Terminal box

Ex/stainless steel encoders



					
Model	EEx HOG 161 - incremental	EEx OG 9 - incremental	X 700 - incremental	X 700 - SSI	
Features	<ul style="list-style-type: none"> -Encoder incremental / ATEX -Optical sensing -Ex-approved by ATEX II 2G Ex de IIC T6 -Hollow shaft \varnothing30-70 mm 	<ul style="list-style-type: none"> -Encoder incremental / ATEX -Optical sensing -Ex-approved by ATEX II 2G Ex de IIC T6 -Shaft \varnothing11 mm 	<ul style="list-style-type: none"> -Encoder incremental / ATEX -Optical sensing -Resolution max. 5000 ppr -Clamping flange / shaft \varnothing10 mm 	<ul style="list-style-type: none"> -Encoder single- or multiturn / SSI / ATEX -Optical sensing -Resolution: singleturn 14 bit, multiturn 12 bit -Clamping flange / shaft \varnothing10 mm 	
Voltage supply	5 VDC \pm 5 % 9...26 VDC 9...30 VDC	5 VDC \pm 5 % 9...26 VDC 9...30 VDC	4.75...30 VDC	10...30 VDC	
Resolution (steps/turn)	250...2500	1...5000	5...5000	-	
Total resolution	-	-	-	26 bit	
Operating temperature	-20...+65 °C (T5) -20...+70 °C (T6)	-20...+55 °C	-25...+70 °C	-25...+60 °C	
Housing	\varnothing 160 mm	\varnothing 120 mm	\varnothing 70 mm	\varnothing 70 mm	
Shaft diameter	\varnothing 30-70 mm hollow shaft	\varnothing 11 mm	\varnothing 10 mm	\varnothing 10 mm	
Operating speed	\leq 5600 rpm	\leq 7000 rpm	\leq 6000 rpm	\leq 6000 rpm	
E-connection	Terminal box	Terminal box	Cable 2 m (other length upon request)	Cable 2 m (other length upon request)	
Protection DIN EN 60529	IP 54 (T6) IP 56 (T5)	IP 56	IP 67	IP 67	