



The generator produces a sinusoidal voltage which is proportional to the measured speed. The vibration-free stationary winding is mounted in a light alloy casing. The magnet shaft with 8 pole permanent magnet runs in covered grooved ball bearings. The generator is maintenance-free and can be supplied with either: spigot flange or foot mounting and tongue shaft connection.

The generators are adjusted in the factory, therefore generators with the same design can be exchanged.

The parallel connection of several indicators and/or switching units is possible. Other mechanical connections and special versions can be supplied on request.

Technical Data 45.1...

Design 122/8	96/8	13/8		
Max. driving speed	1000	2000	5000	
Voltage per 1000 rpm	30V	20V	10V	
Winding impedance	122 Ohm	96 Ohm	13 Ohm	
Starting torque	70 cmp	50 cmp	50 cmp	
Frequency (1000rpm)	66 2/3 Hz			
Number of poles	8			
Balancing tolerance	<± 1% of full scale			
Test voltage	2000V against housing			
Temperature range	EG 45.1...	-20 °C to + 80 °C		
	EG 45.1.. -1	-20 °C to +100 °C		
	EG 45.1	shaft outlet IP 40 - housing IP 53		
	EG 45.1 ... -1	shaft outlet IP 40 - housing IP 54 (special version IP 65, DIN 40050 on request)		
Electrical connection	EG 45.1...	2-wire connection cable, 2 m long, oil-proo and stress-relieved.		
	EG 45.1... -1	flat terminals DIN 41000 covered by protection cap with cable gland.		

Technical Data

45.1... Exi

Design	1/8	2/8	3/8	4/8	5/8	6/8
Max. driving speed	300	600	1000	2500	5000	10000
Voltage per max speed	6 v	12 v	15 v	25 v	25 v	20 v
Winding impedance (Ohm)	1330	2600	2050	2700	1750	1250
Starting torque	50 cmp					
Frequency per 1000rpm	66 2/3 Hz					
Number of poles	8					
Balancing tolerance	< ± 1% of full scale					
Test voltage	2000v against housing					
Temperature range	-20 °C to +100°C					
Protection	shaft outlet IP 40 - housing IP 54 (special version IP 65, DIN 40050 on request)					
Electrical connection	flat terminals DIN 41000 covered by protection cap with cable gland Pg7					
Explosion proof	The generators can be supplied for the use in explosion-proof environments with the protection class Eex ib IIC T6 with 6 different speed ranges.					

