



## D.C. TACHO-GENERATORS

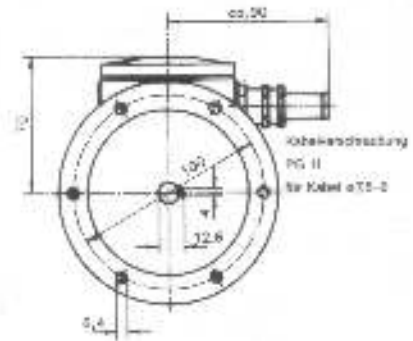
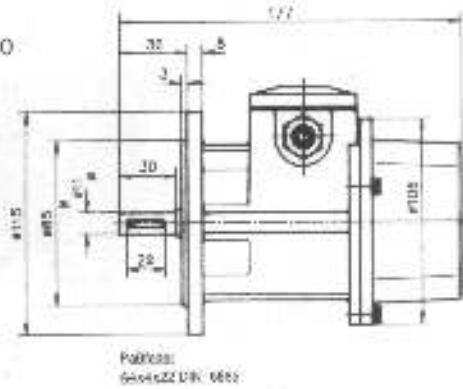
The d.c. tachogenerators are used as measuring instruments for values dependent on speed and direction of rotation in measurement and control techniques. They convert the speed at which they are driven into a direct voltage proportional to the speed. The polarity of the generated voltage depends on the direction of rotation of the driving motor.

The generators may be used in conjunction with moving coil indicators for remote bi-directional analogue measurement.

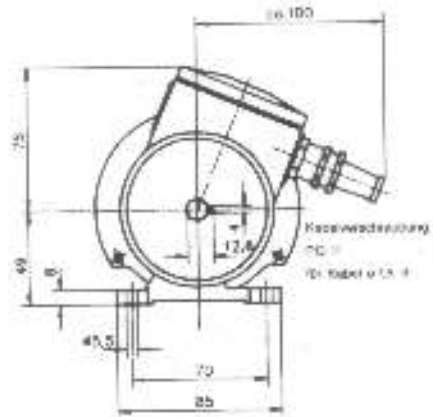
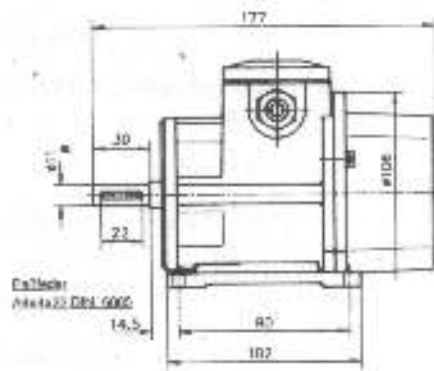
Max. output	12 W $\geq$ 3000 rpm
Rated output per rpm	4 mA from 800 to 3000 rpm
Rated voltage tolerance	$\pm 6\%$
Linearity variation	$\leq 1,5\%$
Direction of rotation	reversible
Reversing error	$\pm 1\%$
Superimposed a.c. voltage (eff)	$\leq 8\%$ from 200 to 3000 rpm
Enclosure	IP 55
Construction	B 10 and B 3
Number of slots	19
Number of discs	38
Number of poles	2
Weight	about 2.5 kg
Starting torque	2,5 Ncm
Carbon brushes	2 pairs carbon brushes, quality AG 35, 5x3x12, guarant operation for about 15,000 hours at 1500 rpm.

<u>TYPE</u>	<u>Voltage</u> at 1000 rpm <u>Volt</u>	<u>Maximum</u> <u>speed</u> rpm	<u>Min. load</u> <u>resistance</u> <u>Ohm</u>	<u>Armature</u> <u>resistance 20°C</u> <u>Ohm</u>	<u>Rated</u> <u>current</u> mA	<u>Thermal</u> <u>limiting current</u> mA
EG 74.2-2 B..	20	8000	100	4	200	600
EG 74.2-3 B..	30	8000	225	9	133	400
EG 74.2-4 B..	40	8000	400	15	100	300
EG 74.2-5 B..	50	8000	625	24	80	240
EG 74.2-6 B..	60	8000	900	34	66	200
EG 74.2-7 B..	70	8000	1200	47	57	170
EG 74.2-8 B..	80	8000	1600	61	50	150
EG 74.2-9 B..	90	7000	2000	58	44	130
EG 74.2-10B	100	6500	2500	95	40	120
EG 74.2-11B	110	5500	3000	115	36	110
EG 74.2-12B	120	5000	3600	138	33	100
EG 74.2-13B	130	4800	4200	161	31	93
EG 74.2-14B	140	4500	4800	187	29	86
EG 74.2-15B	150	4200	5600	215	27	80

**EG 74.2- B 10**  
 Bauform B 10  
 Construction B 10



**EG 74.2- B 3**  
 Bauform B 3  
 Construction B 3



Technical specifications are subjected to changes by Horn