

## D.C. Tacho-Generator for 70-150V at 1000 rpm

TYPE                    TDP 0,7 ...-SE

### Technical Data:

Max. power:	12W $\geq$ 3000 rpm	degree of protection:	IP 55
Rated power per rev.:	4mW ( 800-3000 rpm)	construction type	B5 or B3
Tolerance of rated voltage:	$\pm$ 6 %	Number of slots:	19
Linearity error:	$\leq$ 0,15 %	Number of segments:	38
Direction of rotation:	reversible	No. of poles:	2
Reversing error	$\pm$ 0,1 %	Weight:	approx. 2,5 kg
Temperature coefficient of the magnet system:	$\pm$ 0,33 % per 10 K	Moment of inertia:	0,83 kgcm <sup>2</sup>
Harmonic voltage (RMS).	$\leq$ 0,8 % from 200 to 3000 rpm	Initial break-away torque:	2,5 Ncm
Brushes per tacho:	2 pairs, quality AG 35 dimensions: 3 x 5 x 12	Insulation:	class B
Dimension drawing	see data sheet TDP 0,7		

### Advantages:

- can be delivered within a short time
- high voltage max. 150 V at 1000 rpm
- Armature removable without loss of magnetic force/voltage reduction
- High-powered version by means of Rare-earth magnets, 4 W at 1000 rpm

Type	Voltage at 1000 rpm	Max. Speed	Min. Load resistance	Armature Resistance at 20°C	Rated Current
	Volt	rpm	Ohm	Ohm	mA
TDP 0,7 ....7-SE	70	7700	1200	47	57
TDP 0,7 ....8-SE	80	6750	1600	61	50
TDP 0,7 ....9-SE	90	6000	2000	58	44
TDP 0,7 ..10-SE	100	5400	2500	95	40
TDP 0,7 ..11-SE	110	4900	3000	115	36
TDP 0,7 ..12-SE	120	4500	3600	138	33
TDP 0,7 ..13-SE	130	4150	4200	161	31
TDP 0,7 ..14-SE	140	3850	4800	187	29
TDP 0,7 ..15-SE	150	3600	5600	215	27

Special voltages are feasible (extra costs)