

# Components for D.C. Motors with Speed Control

## Analog Value Generators – Tachogenerators TG 11 and TG 52

### D.C. Tachogenerators TG 11 and TG 52

The D.C. tachogenerators TG 11 and TG 52 can be used as actual value generators for speed control of D.C. motors; in doing so the tacho-systems are suitable for large control ranges and very low control speeds.

The tachogenerators are rigidly built and do not require maintenance during their lifetime.

The numerous slots of the D.C. tachogenerator rotor guarantee a low residual ripple.

Tachogenerator	TG 11	TG 52	
Rotor	9 slots	17 slots	–
Number of pole pairs	1	1	–
D.C. resistance	68	140 ± 15%	Ω
Induced voltage	3.0	10	V/1000 min <sup>-1</sup>
Moment of inertia <i>J</i>	8.5	92	g cm <sup>2</sup>
Temperature coefficient	–0.25	–0.01	% / °C
Weight <i>m</i>	80	380	g

### Dimensional drawings · Dimensions in mm

