

AC-Tachogenerators

For combination with:
DC-Micromotors: 2230, 2233, 2338, 3557

Series ACT

Specific generator voltage (peak-peak)	k_{Epp} w/o load \approx	2,1	V/1000 rpm
Specific generator voltage (RMS)	k_{Eeff} w/o load \approx	0,7	V/1000 rpm
Tolerance of generator voltage w/o load (RMS at 3000 rpm)			$\pm 20\%$
Speed, max.	n_{max}	15 000	rpm
Terminal resistance	R	380	$\Omega \pm 20\%$
Number of poles		16	
Frequency		16 n	[Hz]
		60	
Rotor inertia	J	0,4	gcm ²
Operating temperature range (if not limited by motor)		- 30 ... + 100	°C
Weight		14	g
Direction of rotation			reversible

Ordering information

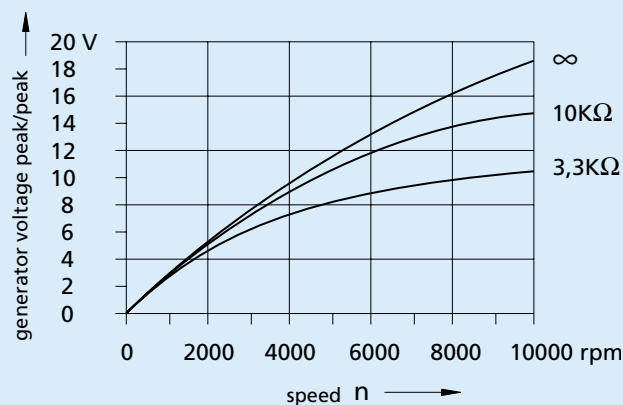
Tachogenerator series	in combination with motors	length L
ACT 7	series 2230	38,9
	series 2233	41,7
ACT 6	series 2338	46,6
ACT 5	series 3557	73,3

Features

The AC-tachogenerator is designed for use in combination with the DC-Micromotors (System FAULHABER®) for shaft velocity regulation. A low inertia magnetic disc generates a linear frequency to speed output. The AC-voltage output depends on the load resistance and shaft velocity.

These AC-Tachogenerators are only available with motors mounted.

Details for the DC-Micromotors and suitable reduction gearheads are listed on separate catalogue pages.



Characteristics of the AC-Tachogenerator

Dimensional drawings

