



G-Tacho Series



G9T and G12T are high quality, cost effective, low inertia d.c. tachometers using flat armature technology.

G-Tacho Series can be directly coupled to GM, GN and GR series motors during manufacture, or retro-fitted to motors with a suitable rear extension shaft. Can be supplied adapted to suit other manufacturers motors. Significant overall performance gains are achieved compared to conventionally wound units. Linear feedback providing high velocity readings and the PML coupling technique minimising torsional resonance, combine with inherently low output ripple.

- 2 sizes
- 2 models

DESIGN OPTIONS

- High altitude/vacuum operation
- Shaft extension to drive encoder
- With/without end terminal cover
- Custom engineered units

MATERIAL AND FINISH

Casing	aluminium - silver anodised
End plates	mild steel - bright zinc plated
Bearings	self-aligning via motor shaft
Connections	flying leads, or screw, or spade terminals

STANDARD BENEFITS

- Very slim profile
- Low inertia
- Self-aligning bearings
- High performance output
- Very low output ripple
- Heavy-duty operation
- Direct mounts to GM/GN motors
- Suitable for other motor types
- EMC compatible

TYPICAL APPLICATIONS

- Aviation systems
- Industrial machinery
- Conveyer belts
- Winding machines

For further information ►



G-Tacho Series

PERFORMANCE DATA

TEST DETAIL		G-TACHO RESULTS	
TACHO RATINGS	UNIT	G9T	G12T
Output Voltage Gradient	V/Krpm	3	6
Output Tolerance	%	+5-0	+5-0
Voltage Ripple P-P @ krpm	%	5	3
Linearity @ 3600rpm	%	0.05	0.05
Bi-directional Tolerance	%	±1.5	±1.5
Output Stability	%	±0.3	±0.3
Terminal Resistance	Ohm	1	1
Rotor Inertia	g.cm ²	350	1500
Ambient Operating Range	°C	-25 to+70	-25 to+70
Normal Operating Speed Range	rpm	50 to 4000	50 to 4000
Temperature Coefficient of Output	%/°C	0.02	0.02
No. of Communication Segments	-	117	141

Output voltage gradient is defined as the generated voltage at 1000rpm open circuit

PERFORMANCE CHARACTERISTICS AND DATA

DIMENSION GUIDES

All dimensions in mm. All weights in kg.

TACHO TYPE	DIMENSIONS			
	A	B	C	D
G9T	110	21.4	102	1.0
G12T	140	22.2	129	1.3

