



Screw Mounting Tachometers

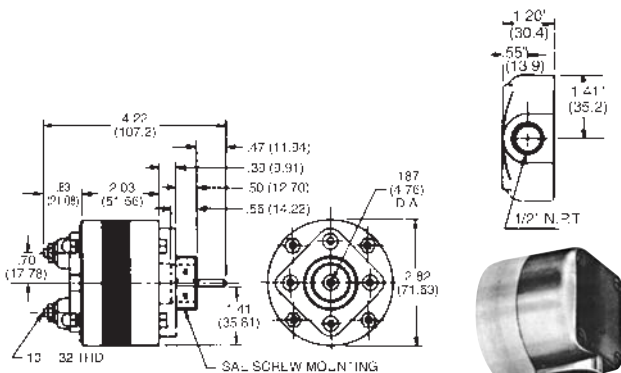
Type JB5—Same as Type JB2, but binding posts are replaced by a cover box and an AND 10066-12S-3P connector.

Mating socket connector is AN3106-12S-3S (not supplied).

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
758-9905000	758 Type JB2 Tachometer for Voltage-Responsive Systems
0133477-902	758 Type JBF2 Tachometer for Frequency-Responsive Systems
758-9905001	758 Type JB5 Tachometer for Voltage-Responsive Systems
0134030-901	758 Type JBF5 Tachometer for Frequency-Responsive Systems
ACCESSORIES	
AN3106-12S-3S	Mating Socket Connector

DIMENSIONS (INCHES/MILLIMETERS)



BINDING POST COVER BOX

The **758 Series** of tachometers all use a multi-pole cylindrical magnet turning in a wound stator constructed from quality transformer iron lamination. Single phase output current is a sine wave over the speed range of the tachometer. These units have 100 ohm stators and are intended for voltage responsive systems. When greater accuracy is required, use a tachometer having a 32 ohm stator (designation F in the type number) and a frequency responsive indicating system. For speeds over 5,000 rpm, use the bearingless AC generators on page 339.

Dust-proof aluminum alloy housing. S.A.E. 7/8" screw-type steel mounting with 3/16" solid drive dog. Used on Diesel and gas engines where a standard S.A.E. screw-type tachometer outlet is available. Two binding posts for electrical connection.

Approximate torque: 2.0 oz.-in. starting, 2.0 oz.-in. running (1000 RPM).

SPECIFICATIONS

VOLTAGE OUTPUT AT 1000 RPM	10 Volts AC $\pm 1\%$ Per 1000 RPM Open Circuit	
ACCURACY	$\pm 1\%$	
EMF LINEARITY 1	Dependent Upon Load and Speed	
PERMISSIBLE CURRENT DRAIN	150 mA	
FREQUENCY AT 900 RPM	60 Hz Sine Wave	
ALLOWABLE END PLAY	0.005"	
MAX OPERATING TEMPERATURE	250°F	
INTERNAL RESISTANCE AT 25°C	Standard Unit	100 Ω $\pm 1\%$
	F. Type Unit*	32 Ω $\pm 20\%$
INSULATION	Insulation Class 105	
ROTOR	Alnico V, 8 Poles	
STATOR	8 Poles	
BEARINGS	Ball	
TEMPERATURE COEFFICIENT	Standard Unit	0.2% Per 10°C Change
	F. Type Unit*	Not Compensated, 0.4% Per 10°C Change
MIN. SPEED	500 RPM	
MAX. TOP SPEED	5000 RPM	
STARTING TORQUE	2.0-3.0 oz. ins.	
RUNNING TORQUE AT 1000 RPM	2.3 oz. ins.	
SHAFT DIAMETER	3/16"	
SHAFT CONNECTION	Direct	
SHAFT LENGTH	0.47"	
ELECTRICAL CONNECTION	JB2	10-32 Studs
	JB5	AN Plug Connection
MOUNTING	SAE 7/8" Screw	
ENCLOSURE	Dust Resistant	
MEASUREMENTS	JB2	4.22"L x 2.82"H x 2.82"W
	JB5	4.59"L x 3.38"H x 2.82"W
WEIGHT	JB2	2.9 lbs. Approximate
	JB5	2.6 lbs. Approximate

*F-Type generators for use in frequency responsive systems only. any of the above types can be supplied for use in frequency systems