

RADIO-ENERGIE TACHOGENERATORS

Transdrive is Radio-Energies Sole UK Distributor for Tachogenerators and Encoders.

RECOMMENDATIONS

Caution

In order to remain within warranty, mechanic parts must not be modified, the sensor must not be damaged because of non respect of the here-mentioned recommendations.

It is advisable to avoid shock on the sensor during transportation, assembly. In order to make sure of getting the best performance from the tachogenerator it is important to carry out installation alignment and coupling with the greatest care.

It is then advisable to ensure that the 2 shaft ends are correctly aligned that the coupling device is adapted. The use of a semi-flexible and balanced coupling is recommended. The coupling must transmit only the driving torque and must not create a load or a displacement on the tachogenerator shaft.

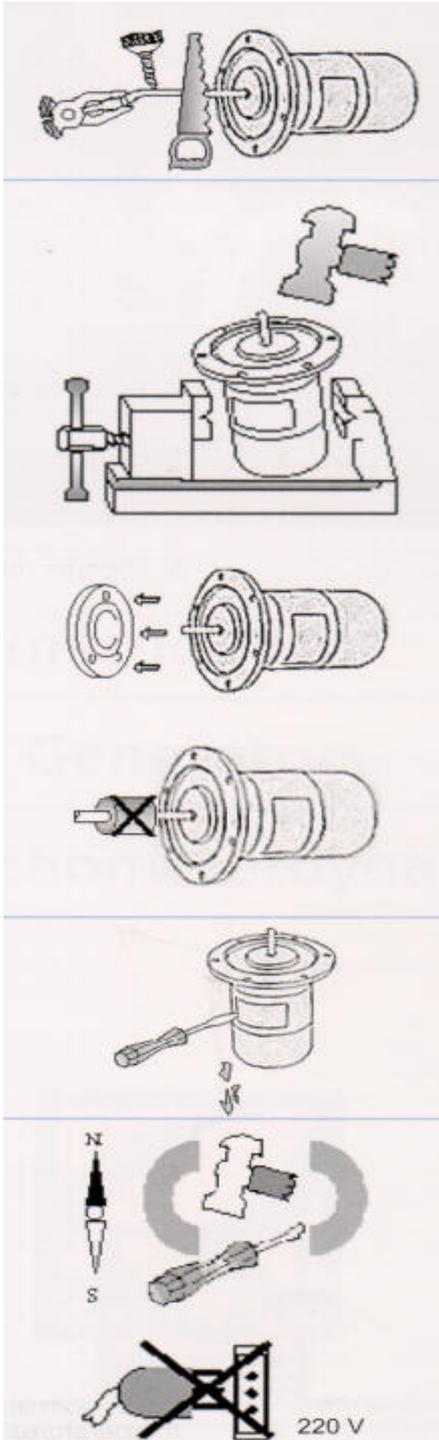
We advise the use of good quality coupling to maintain tachogenerator's performances but also make sure of the longest life duration of the equipment.

An alignment defect or a poor coupling can generate a low frequency ripple incorporated into the output signal which is very difficult to filter out. A similar effect may appear when a speed multiplying device is used to drive the generator. Stress transmitted to the shaft must be lowest, in order to maintain the quality of the signal and to keep the life expectancy of the ball bearings. Vibrations may lead to premature wear of the brushes and the commutator.

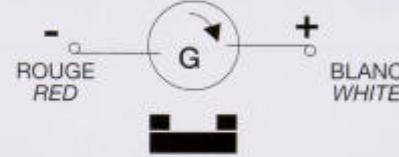
Do not dismount the tachogenerator, any dismounting can alter the calibration, thus cause a distortion of the technical data output.

Dismounting of brushes without care and without any mark of their position can increase the noise, alter the output signal and reduce the life expectancy.

Always take care where magnets are fixed on, because the proximity of metal would demagnetize the magnets (Alnico) and then distort the technical data. For that reason, respect mounting instructions and carefully use adapted tools for mounting (screw drivers, keys). The proximity of ferromagnetic masses may cause a drop in generator voltage. Tachogenerator do not need any power supply. Any plugging to an external current source may destroy the windings.



Wiring Diagram

Schéma de branchement avec boîte à borne <i>Connecting diagram with junction box</i>	Schéma de branchement avec câble sorti <i>Connecting diagram with cable</i>
Rotation sens horaire face au bout d'arbre <i>Clockwise direction facing the shaft end</i>	Rotation sens horaire face au bout d'arbre <i>Clockwise direction facing the shaft end</i>
Génératrice à 1 collecteur <i>Dc tachometer with 1 commutator</i>	Génératrice à 1 collecteur <i>Dc tachometer with 1 commutator</i>
	
Génératrice à 2 collecteurs <i>Dc tachometer with 2 commutators</i>	Génératrice à 2 collecteurs <i>Dc tachometer with 2 commutators</i>
	