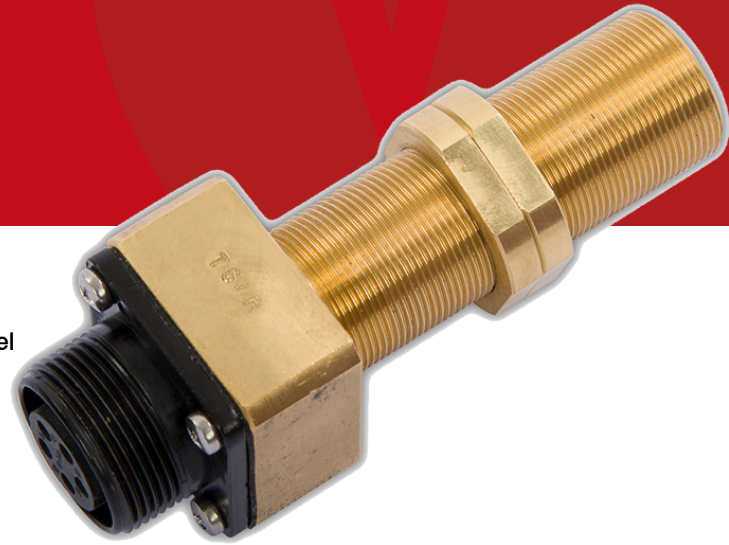


HALL EFFECT TRANSDUCER

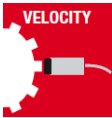
T6-R



The transducer T6-R is used for performing the following measurements: **SPEED OF ROTATION** of the machine, the measurement is made by mounting the transducer next to a gear wheel (polar wheel) with a known number of teeth.

Transducer T6-R measures the variation in flow due to the variation of the air-gap.

Such variation generates an impulsive type signal which can be processed by the CEMB instrument of series "T".



TECHNICAL CHARACTERISTICS

GENERAL

Type of measurement	■ Elettromagnetic Induction
Measuring Field	■ 0 ÷ 30000 Hz
Coil resistance	■ 85 ohm Max.
Inductance	■ 25mH Max.
Power supply	■ None
Connection	■ connector MIL-C 5015

ENVIROMENT

Vibration	■ Max.100 mm/s
Temperature	■ -35°C ÷ +105°C
IP Protection	■ IP65

PHISIC

Weight	■ 100 g.
External cover material	■ Brass

TRANSDUCER POSITIONING

- Prepare a suitable support for seating the transducer (hole dia.22.5 or M22x1).
- Mount the transducer so that its longitudinal axis lies perpendicular with the surface of the polar wheel and intersects the axis of rotation of the polar wheel.
- Adjust the airgap between the surface of measurement of the transducer and the top of the tooth of the polar wheel; block in position using the ring nuts (supplied as standard).
- Connect electrically the transducer to a CEMB device "T" series

MECHANICAL DRAWING

