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CEMB
BALANCING MACHINES

T6-R Transducer



FUNCTION

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.

PRINCIPLE OF OPERATION

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".

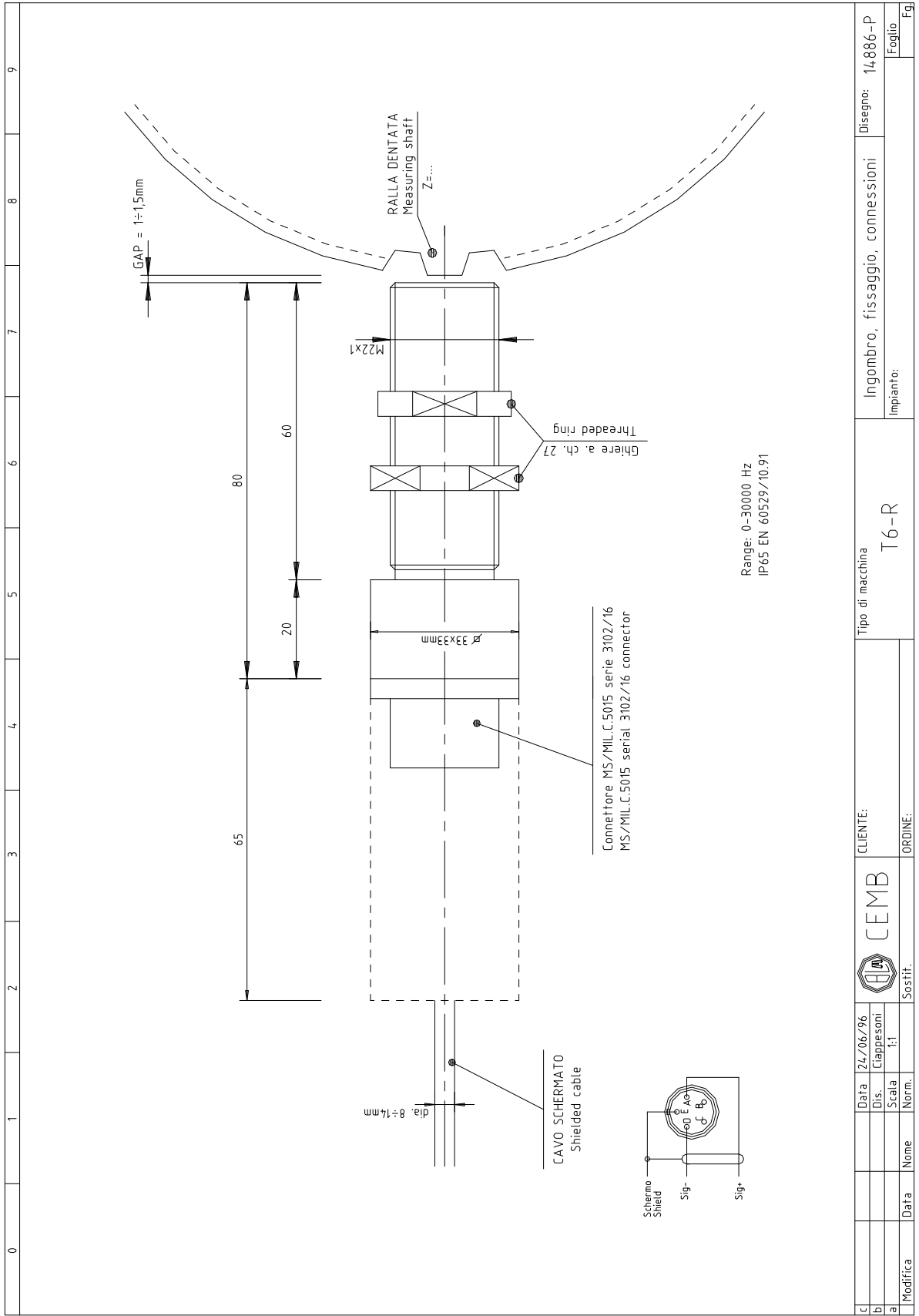
TECHNICAL CHARACTERISTICS

Type of measurement	: Electromagnetic induction
Range of measurement	: 0 to 30000 Hz
Coil resistance	: 85 ohm max.
Inductance	: 25 mH max.
Power supply	: None
Connection	: Connector MIL C-5015, series 3102/16, standard kit
Casing material	: Brass
Range of application	: Temperature = -35°C to +105°C Humidity = max 100% Ambient = IP65 EN60529/10.91 Vibrations = max.100 mm/s
Weight	: ~ 0,1 Kg
Maintenance	: None
Drawings enclosed	: 14886 = Overall dimensions, mounting, connections.

TRANSDUCER POSITIONING

Refer to enclosed drawing Nr. 14886.

- 1) 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.
- 2) 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).
- 3) Electrically connect the transducer to the TMP instrument by means of the flying plug connector (supplied as standard accessory).



c	Data	24/06/96	Dis.	Clappesoni	Disegno:	14886-P
b	Dis.		Scala	f:1	Impianto:	
a	Nome		Norm.		Foglio	
Modifica			Sostit.		Fg.	
CLIENTE:			Tipo di macchina		Ingombro, fissaggio, connessioni	
CEMB			T6-R			
ORDINE:						