



CEMB S.p.a.
 Costruzioni Elettro Meccaniche ing. Buzzi & C. S.p.a.
 Sede legale: Via Risorgimento, 9
 23826 MANDELLO DEL LARIO - (Lecco) ITALY



Cap. Società ? 1.500.000 i.v.
 Reg. Impr. Lecco 00221870132
 C.C.I.A.A. Lecco REA 75997
 Meccanografico LC 000078
 C.F. 00221870132 -P.IVA IT 00221870132

Telefono +39 – 0341.706.111
 Industry Div. Fax +39 – 0341.735.678
 Garage Div. Fax +39 – 0341.700.725
 Vibration Analysis Div. Fax +39 – 0341.706.299
www.cemb.com
 e-mail: stm@cemb.com



CEMB
 BALANCING MACHINES

T7-P TRANSDUCER



FUNCTION

Connection with instrument Cemb "T" serial for measuring of angular displacements

TYPICAL APPLICATION

Checking of position of valves in steam turbines

TECHNICAL FEATURES

Detecting system	: Linear potentiometer
Working principle	: Measuring of an angular position of the potentiometer pin referred to the fix position of the pick-up
Measuring range	: $0 \div 350^\circ \pm 1^\circ$
Potenziometer characterist,	: Resistance = 1000 Ohm Linearity = $\pm 0,05\% \div \pm 0,5\%$
Sensitivity	: 42,8mV/°/+15Vdc
Power supply	: + 15 Vdc, GND
Mechanical connection	: dia. 6,35 +0/-0,1: s.steel shaft
Electrical connection	: Connector MIL C-5015, serial 3102/16, std.supplied
Case material	: Aluminium
Environm. Operation condit.	: Temperature = $-50^\circ\text{C} \div +100^\circ\text{C}$ Humidity = max 95% not condensing Outside = IP55 EN60529/10.91 Vibrations = max.20g/2KHz
Wheith	: ~ 0,85 Kg
Maintenance	: Any
Enclosed drawings	: 50699 = Ingombro, fissaggio, connessioni.

TRANSDUCER POSITIONING

Refer to enclosed drawing Nr. 50699.

- Avoid all bad handling of the connection shaft
- Calibrate the instrument
- Lock the detector
- Strictly join the pick-up connecting shaft with the control device
- Electrically connect the transducer to the Cemb "T" instrument by means of the flying plug connector (supplied as standard accessory)

