CEMB
BALANCING MACHINES

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All the data and features mentioned in this catalogue are purely for information and do not constitute any commitment on the part of our company, which reserves the right to make any and all alterations it may consider suitable without notice.

Acceleration transducer mod. TA18S

FUNCTIONING

The TA18S transducer picks up seismically the absolute vibrations of the machine by being fitted directly to the supports of the vibrating part; it supplies an output signal directly proportional to the vibration of the point to which it is fastened. Such signal should subsequently be processed by one of the measuring channel of a CEMB serial "T" or "N" processing unit.

TECHNICAL CHARACTERISTICS

Type of measurement	: seismic (absolute vibrations)
Dynamic range	: ± 50 g
Frequency response	: ± 3 dB 0,5 ÷ 15000 Hz
	± 10 % 0,8 ÷ 6000 Hz
	± 5 % 1 ÷ 4000 Hz
Direction of vibrations	: any
Sensitivity	: 100 mV/g
Tranverse sensitivity	: < 5 %
Reasonance frequency	: 25 kHz
Protection against shocks	: 5000 g pk
Power supply	: 2÷20 mA - 18÷28 Vdc
Outlet impedance	: < 150 ohm
Temperature range	: -54°C ÷ +121°C
External casing material	: stainless steel AISI 316-L
Mounting screws	: standard = ¼"-28UNF-2B or to be specified along with the order among those shown on dwg 58608-P
Weight	: 88 g
Protection against external	: IP65 EN60529/10.91
Connection	: 2 pin connector MIL-C-5015 serie 3106/10, supplied as standard

ASSEMBLY

Make a threaded hole on the support to be tested. The surface where the transducer rests must be perfectly smooth and flat. Is is advised to provide a film of silicon between the resting surface and the sensor.
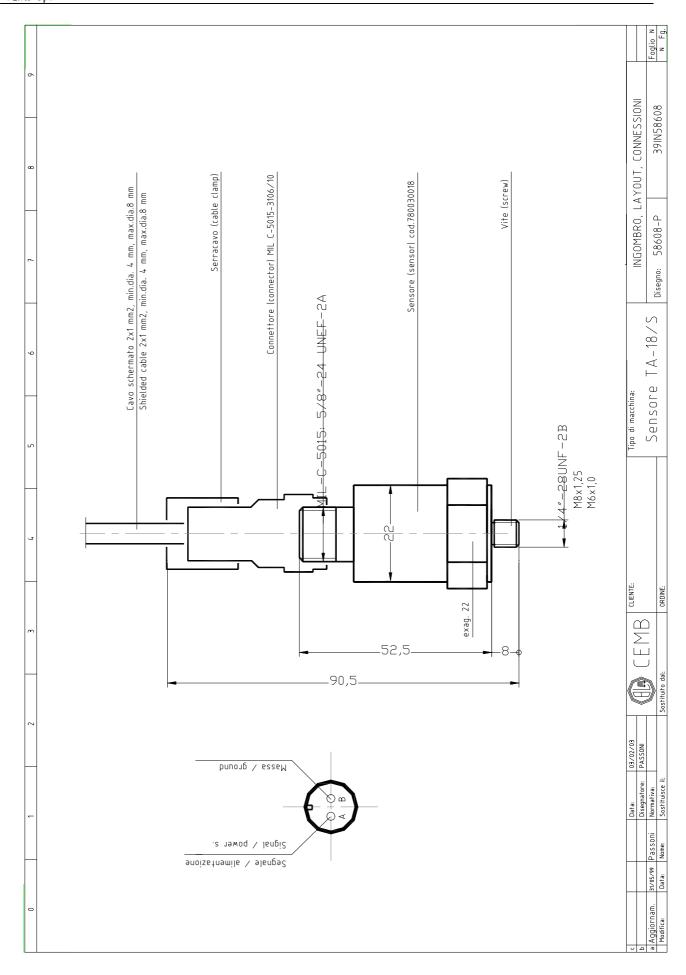
NOTE : avoid hitting violently the transducer housing, the closure couple must be 2,7÷6,8 Nm.

MAINTENANCE
Any.
DIMENSIONS, FIXTURE AND CONNECTIONS
As per enclosed dwg. n° 58608-P.

Cavo schermato 2x1 mm2, min.dia. 4 mm, max.dia.8 mm
Shielded cable 2x1 mm2, min.dia. 4 mm, max.dia.8 mm

Serracavo (cable clamp)

Connettore (connector) MIL C-5015-3106/10

MIL-C-5015, 5/8"-24 UNEF-2A

Sensore (sensor) cod.780030018

Vite (screw)

1/4"-28UNF-2B

M8x1,25
M6x1,0

22

52,5

exag. 22

8

90,5

Massa / ground

B

A

Signal / power s.

Segnale / alimentazione

INGOMBRO, LAYOUT, CONNESSIONI

39IN58608

Disegno: 58608-P

Tipo di macchina:

Sensore TA-18/S

CLIENTE:

ORDINE:

CEMB

Sostituito dal:

Data:	03/02/03	Normativa:	
Disegnatore:	PASSONI		

c						
b						
a	Aggiornam.	31/05/99	Passoni	Nome:	Sostituisce il:	
	Modifica:	Data:				

Foglio N

N Fg.

ASTD45120