Data Sheet: C10AMP.R10

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C10AMP

Trasduttore di forza Amplificato

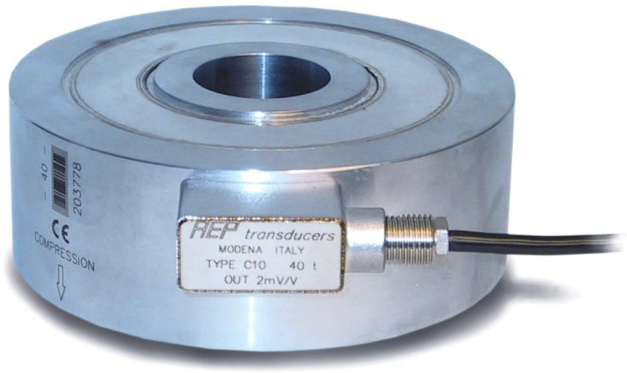
Amplified force transducer

COMPRESSIONE TRAZIONE
COMPRESSION TENSION

SOLLECITAZIONI DINAMICHE
DYNAMIC STRESSES

Interamente saldata al LASER
Completely LASER welded

Download on www.aep.it
CE RoHS



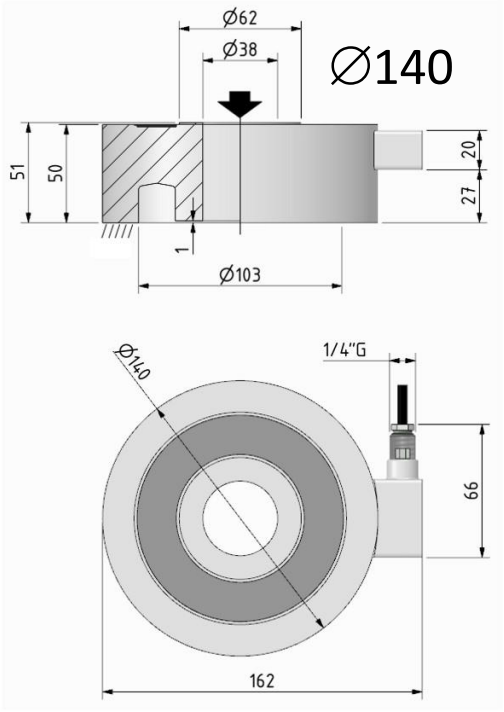
FACILE APPLICAZIONE
EASY APPLICATION

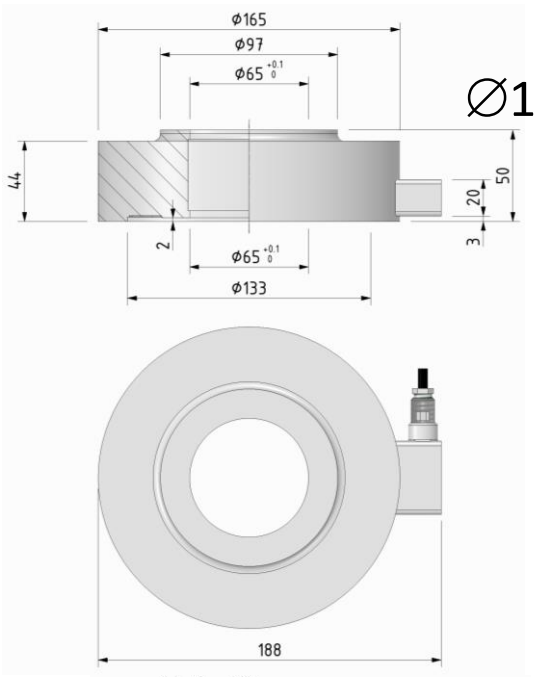
OUT ± 10V
+10V Compression
-10V Tension

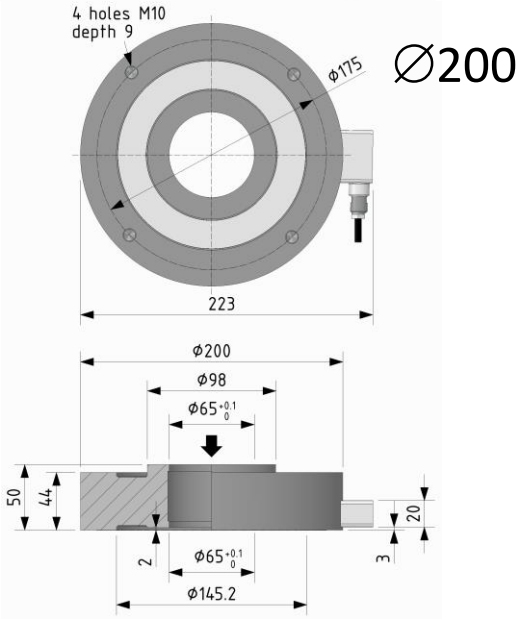
OUT ± 5V
+5V Compression
-5V Tension

OUT 4-20mA
20mA Compression

Dimensioni *Dimensions* [mm]







LOAD:	CODE:
10 kN	CC10AMP14010KNI15
25 kN	CC10AMP14025KNI15
50 kN	CC10AMP14050KNI15
100 kN	CC10AMP140100KNI15

LOAD:	CODE:
250 kN	CC10AMP165250KNI15
500 kN	CC10AMP165500KNI15

LOAD:	CODE:
750 kN	CC10AMP200750KNI15
1000 kN	CC10AMP2001MNI15

NOTA IMPORTANTE:
Le superfici di contatto con il trasduttore di forza, devono avere una durezza HRC ≥ 40 e una rugosità Ra ≤1.6

IMPORTANT NOTE:
The contact surfaces with force transducer must have a hardness HRC ≥ 40 and a roughness Ra ≤1.6

Dati Tecnici — *Technical Data*

CARICO NOMINALE	*NOMINAL LOAD*	10 - 25 - 50 kN 100 kN	250 - 500 kN 750 - 1000 kN	
LINEARITA'	*LINEARITY*	≤ ± 0.10% F.S.	≤ ± 0.20% F.S.	
USCITA AMPLIFICATA TOLLERANZA DI CALIBRAZIONE	AMPLIFIED *OUTPUT* *SENSIVITY TOLERANCE*	4-20 mA (*3 wires*), ± 5 Volt, ± 10 Volt < ± 0.1%		
ALIMENTAZIONE NOMINALE	*NOMINAL POWER SUPPLY*	±5 Volt ➡ 12-28 Vdc 4-20 mA *and* ±10 Volt ➡ 18-28 Vdc		
ASSORBIMENTO MAX.: RESISTENZA DI CARICO: a) tensione b) corrente FREQUENZA DI RISPOSTA	MAX. ABSORPTION: LOADING RESISTANCE: a) tension b) current RESPONSE FREQUENCY	30 mA min. 3 KΩ from 0 to 470 Ω ~ 2 kHz		
EFFETTO DELLA TEMPERATURA (10°C) a) sullo zero b) sulla sensibilità	*TEMPERATURE EFFECT (10°C)* *a) on zero* *b) on sensitivity*	 ≤ ±0.028% F.S. ≤ ±0.024% F.S.		
TEMPERATURA DI RIFERIMENTO CAMPO NOMINALE DI TEMPERATURA TEMPERATURA DI ESERCIZIO TEMPERATURA DI STOCCAGGIO	*REFERENCE TEMPERATURE* *TEMPERATURE NOMINAL RANGE* *SERVICE TEMPERATURE RANGE* *STORAGE TEMPERATURE RANGE*	+23 °C -10 / +40 °C -10 / +70 °C -20 / +80 °C		
VALORI MECCANICI LIMITE: a) carico di servizio b) carico limite c) carico di rottura d) massimo carico trasversale e) carico dinamico limite FRECCIA MAX. AL CARICO NOMINALE	*MECHANICAL LIMIT VALUES:* *a) service load* *b) max permissible load* *c) breaking load* *d) max transverse load* *e) max permissible dynamic load* *DISPLACEMENT AT NOMINAL LOAD*	 120% 150% >300% 100% 75% ~ 0.17 mm	~ 0.20 mm	~0.25 mm
PESO CLASSE DI PROTEZIONE (EN 60529) MATERIALE DINAMOMETRO	*WEIGHT* *PROTECTION CLASS (EN 60529)* *EXECUTION MATERIAL*	~ 4.1 kg IP67 Acciaio Inox / *Stainless Steel*	~ 5.5 kg	~8.3 kg
USCITA CAVO	*CABLE OUTPUT*	*5 m* *PVC 105°C shielded cable Ø 5.3mm* *with 4 4 tinned Ø 0.14mm² conductors*		

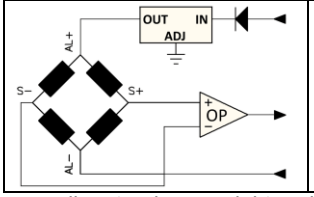
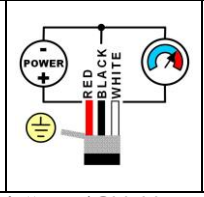
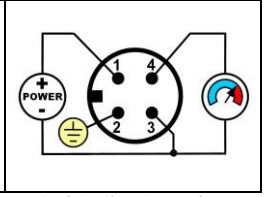
A richiesta calibrazioni in kg / *kg calibration on request.*
A richiesta frequenza di risposta più elevata / *High response frequency on request.*

OPZIONI — *OPTIONS*

Da acquistare separatamente — *To be purchased separately*

	*Code:* ***CONNM12MF***	Uscita diretta connettore **M12**	*Direct output connector* ***M12***
	Code: ***CONNM12FV5***	CONNETTORE **M12x1** femmina 5 poli dritto completo di **CAVO** PVC costampato schermato lunghezza 3 m.	*Female 5 poles straight* ***M12x1*** *CONNECTOR complete PVC molded* ***CABLE****, shielded, length 3 m.*

Collegamenti Elettrici — *Electrical Connections*

FORCE transducer	CABLE	**M12** *(optional)*
		

Schermo collegato al corpo del trasduttore. / Shield connected to the transducers body.

ATTENZIONE: Proteggere il positivo dell'alimentazione *con un fusibile esterno rapido da 100 o 200mA*
WARNING: *Protect POWER+ by using an external 100 to 200mA fast-blow fuse*

AEP transducers
Measurements of WEIGHT, FORCE, PRESSURE and TORQUE since 1974
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