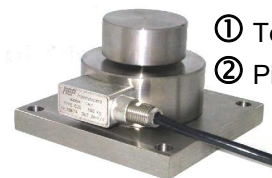


Accessori Accessories**A**

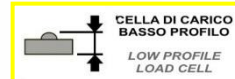
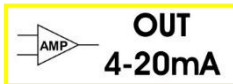
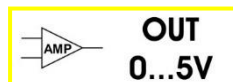
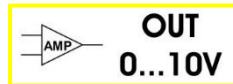
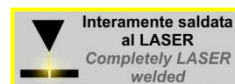
① Testa di carico / Loading head

② Piastra base / Mounting plate



③ Unità di pesatura

Weighing unit

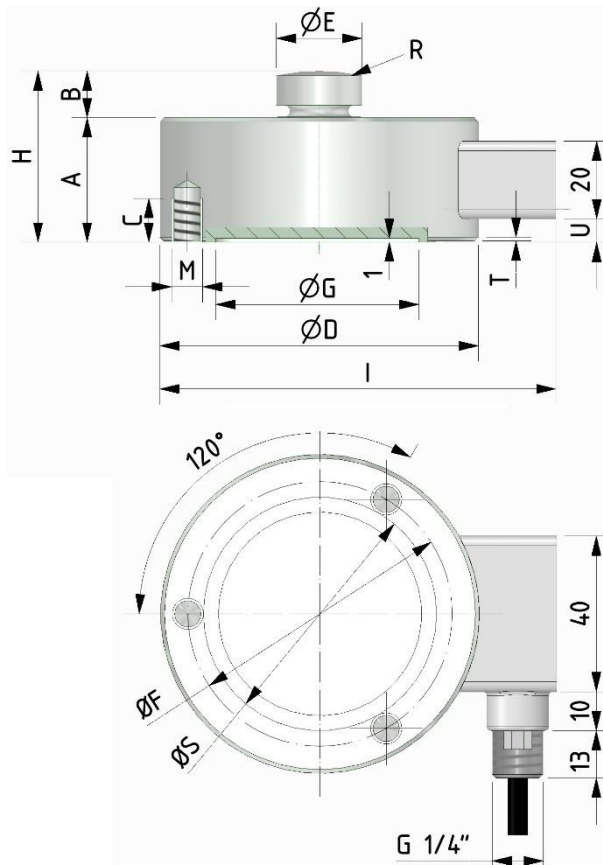
**COMPRESSIONE**
COMPRESSION**CELLA DI CARICO**
BASSO PROFILO
LOW PROFILE
LOAD CELLStabilità a
lungo termine
Long term
high stabilityDownload on www.aep.it**CE RoHS****OUT**
4-20mA**OUT**
0...5V**OUT**
0...10V**IP68**Interamente saldata
al LASER
Completely LASER
welded**Dimensioni Dimensions**

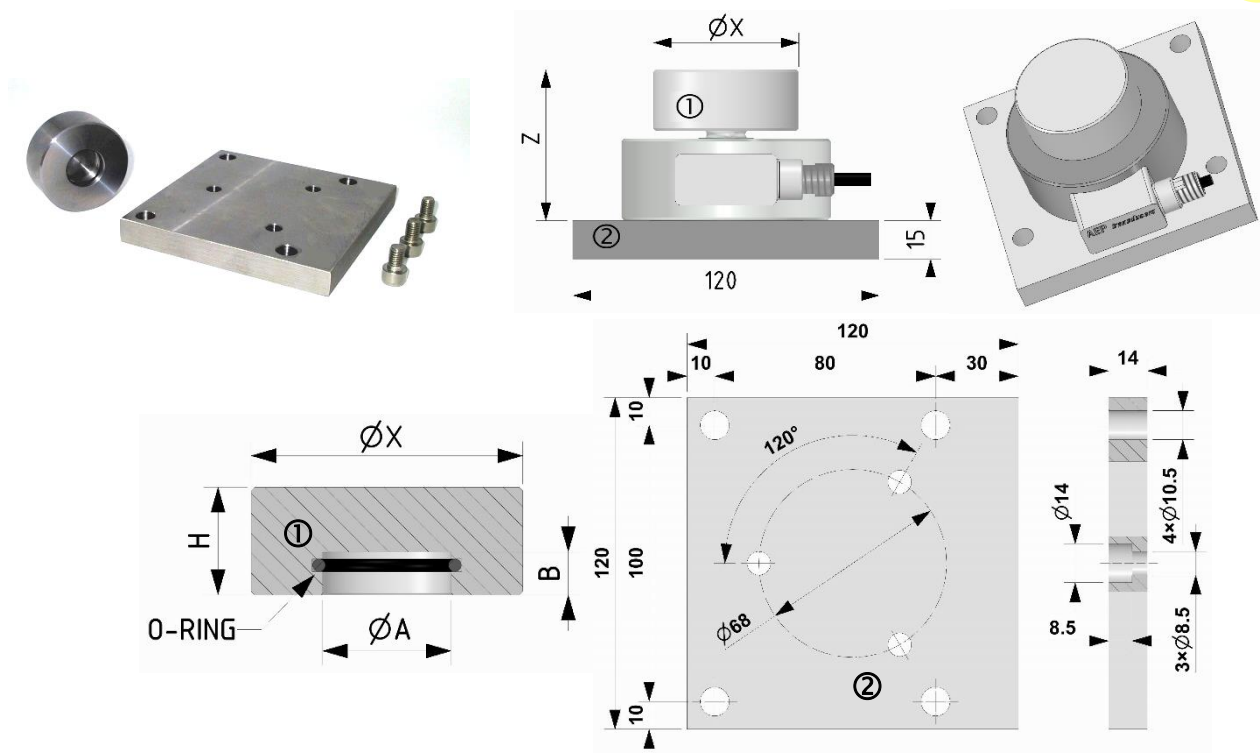
[mm]



LOAD	A	B	C	ØD	ØE	ØF	ØG	H	I	M	n°M	R	ØS	T	U
from 100 kg to 10 t	32	12	11	82	22	68	52.3	44	102	M8	3	50	60	0.3	6
20 t - 30 t	50	14	12	126	35	90	77.3	64	148	M8	3	160	93	0.5	15
50 t - 75 t - 100 t	60	20	20	165	60	130	92.3	80	188	M16	4	300	115	1	17
150 t - 200 t	80	30	20	200	80	152	107	110	223	M16	4	300	128	1	21

LOAD	CODE
100 kg	CC2S82100KC15
250 kg	CC2S82250KC15
500 kg	CC2S82500KC15
1 t	CC2S821TC15
2.5 t	CC2S822T5C15
5 t	CC2S825TC15
7.5 t	CC2S827T5C15
10 t	CC2S8210TC15
20 t	CC2S12620TC15H
30 t	CC2S12630TC15H
50 t	CC2S16550TC15
75 t	CC2S16575TC15
100 t	CC2S165100TC15
150 t	CC2S200150TC15
200 t	CC2S200200TC15

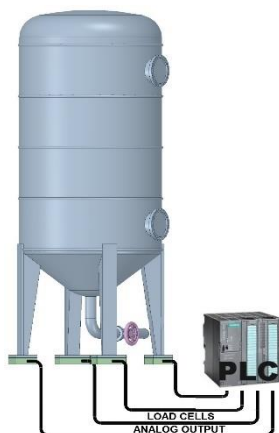
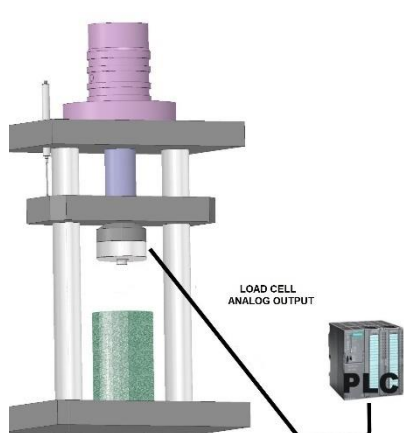




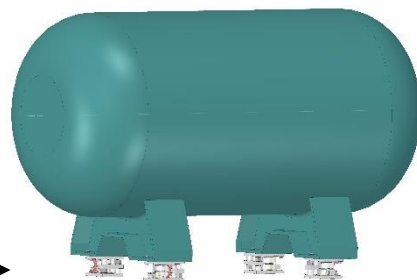
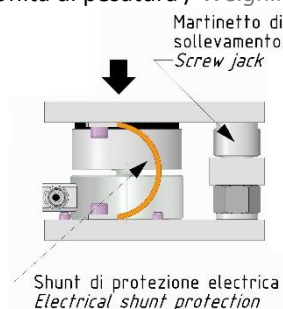
C2S	CODE		ACCESSORIES	ACCESSORI	Z	ØX	ØA	B	H
100, 250, 500 kg 1, 2.5, 5, 7.5, 10 t	CTIC22	①	Loading head	Testa di carico	59	57	23	9	24
	CPB120D82	②	Mounting plate	Piastra base	/	/	/	/	/
	CUPC2	③	Weighing unit	Unità di pesatura	/	/	/	/	/
20, 30 t	CTIC35	①	Loading head	Testa di carico	82	76	36	12	30
	CUPC3	③	Weighing unit	Unità di pesatura	/	/	/	/	/
50, 75, 100 t	CTIC60	①	Loading head	Testa di carico	106	126	61	12	38
	CUPC5	③	Weighing unit	Unità di pesatura	/	/	/	/	/
150, 200 t	CTIC80	①	Loading head	Testa di carico	157	128	81	21	68

Esempi d'installazione

Examples of installation



③ Unità di pesatura / Weighing unit



Sistema di pesatura serbatoio a 4 punti di appoggio
Weighing system for tank with 4 supporting points.

Dati Tecnici

Technical Data



ACCURATEZZA	ACCURACY	0.03 %			
CARICO NOMINALE (E_{max})	NOMINAL LOAD (E_{max})	100 – 250 – 500 kg 1 – 2.5 – 5 – 7.5 – 10 – 20 t 30 – 50 – 75 – 100 – 150 – 200 t			
SENSIBILITA' NOMINALE TOLLERANZA DI CALIBRAZIONE	NOMINAL SENSITIVITY CALIBRATION TOLERANCE	4-20 mA (3 wires), 0...5 V or 0...10 V < ± 0.1 %			
NON LINEARITA'	NON LINEARITY	$\leq \pm 0.03$ %			
NON RIPETIBILITA'	NON REPEATABILITY	$\leq \pm 0.01$ %			
EFFETTO DELLA TEMPERATURA (10 °C) a) sullo zero b) sulla sensibilità	TEMPERATURE EFFECT (10 °C) a) on zero b) on sensitivity	$\leq \pm 0.024$ % $\leq \pm 0.017$ %			
ALIMENTAZIONE NOMINALE	NOMINAL POWER SUPPLY	0...5 V ➔ 12 ... 24 Vdc 4-20 mA and 0...10 V ➔ 18 ... 24 Vdc			
ALIMENTAZIONE MAX. ASSORBIMENTO MAX. (senza carico applicato): RESISTENZA DI CARICO: a) tensione b) corrente RESISTENZA DI ISOLAMENTO BILANCIAMENTO DI ZERO FREQUENZA DI RISPOSTA	MAX. POWER SUPPLY MAX. ABSORPTION (without load applied) LOADING RESISTANCE: a) tension b) current INSULATION RESISTANCE ZERO BALANCE RESPONSE FREQUENCY	28 Vdc 30 mA min. 3 K Ω from 0 to 470 Ω > 2 G Ω ± 1 % ~ 1 kHz			
VALORI MECCANICI LIMITE riferiti al carico nominale: a) carico minimo b) carico di servizio c) carico limite d) carico di rottura e) massimo carico trasversale f) carico dinamico limite	MECHANICAL LIMIT values referred to nominal load: a) minimum load b) service load c) max permissible load d) breaking load e) max transverse load f) max permissible dynamic load	0 % 120 % 150 % >300 % 50 % 50 %			
CARICO NOMINALE	NOMINAL LOAD	100 kg ... 10 t	20 t 30 t	50 t 100 t	150 t 200 t
FRECCIA MAX. AL CARICO NOMINALE	DISPLACEMENT AT NOMINAL LOAD	~0.06mm	~0.16mm	~0.23mm	~0.36mm
TEMPERATURA DI RIFERIMENTO CAMPO NOMINALE DI TEMP. TEMPERATURA DI ESERCIZIO TEMPERATURA DI STOCCAGGIO	REFERENCE TEMPERATURE TEMPERATURE NOMINAL RANGE SERVICE TEMPERATURE STORAGE TEMPERATURE	+23 °C -10 / +40 °C -20 / +70 °C -20 / +80 °C			
PESO	WEIGHT	~1.3 kg	~3.4 kg	~9.4 kg	~18.2 kg
CLASSE DI PROTEZIONE (EN 60529) MATERIALE DELLA CELLA LUNGHEZZA CAVO	PROTECTION CLASS (EN 60529) EXECUTION MATERIAL CABLE LENGTH	IP68 (100h at 1m water column) Acciaio Inox / Stainless Steel 5 m (on request 10 m)			
VITI DI FISSAGGIO: a) diametro b) classe di resistenza c) coppia di serraggio	FIXING SCREWS a) diameter b) resistance class c) tightening torque	M8 12.9 80 Nm	M8 12.9 80 Nm	M16 12.9 230 Nm	M16 12.9 230 Nm

Accelerazione di gravità $g=9.80434 \text{ m/s}^2$ / Acceleration of gravity $g=9.80434 \text{ m/s}^2$.

OPZIONI

Da acquistare separatamente

OPTIONS

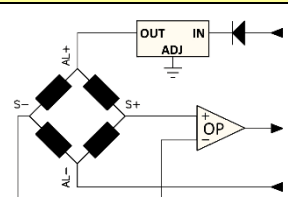
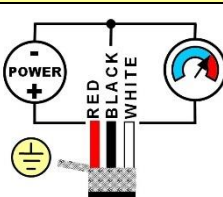
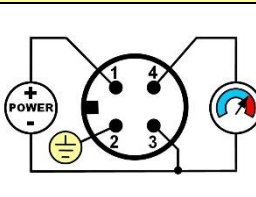
To be purchased separately

	CODE	(1) OPZIONE	(1) OPTION
	CMIL6MF	Uscita diretta connettore MIL6M	Direct output connector MIL6M
	CMIL6FV5	CONNETTORE MIL6M femmina 6 poli dritto completo di CAVO PVC schermato lunghezza 5 m.	Female 6 poles straight MIL6M CONNECTOR complete PVC CABLE, shielded, length 5 m.

	CODE	(2) OPZIONE	(2) OPTION
	CONN12MF	Uscita diretta connettore M12	Direct output connector M12
	CONN12FV5	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

USCITA STANDARD: cavo schermato PVC 105°C, Ø 5.2 mm a 4× Ø 0.35mm² conduttori stagnati.
STANDARD OUTPUT: PVC 105°C shielded cable, Ø 5.2mm with 4× Ø 0.35mm² tinned conductors.

Load Cell	CABLE	MIL6M ⁽¹⁾ (optional)	M12 ⁽²⁾ (optional)
		A = POWER+ B = 0 V / Signal - C = Not connected D = OUTPUT+ E = Not connected F = EARTH	

Schermo collegato al corpo del trasduttore.
 Shield connected to the body of the transducer.



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



Dasa-Rägister
 EN ISO 9001:2015
 IQ 1100-01

ATEX 

Production Quality
 Assurance Notification
 TÜV CY 17 ATEX 0205891 Q



The products are NOT covered by accreditation

41126 Cognento (MODENA) Italy Via Bottego 33/A Tel: +39-(0)59-346441 E-mail: aep@aep.it www.aep.it

Al fine di migliorare le prestazioni tecniche del prodotto, la società si riserva di apportare variazioni senza preavviso.
 In order to improve the technical performances of the product, the company reserves the right to make any change without notice.