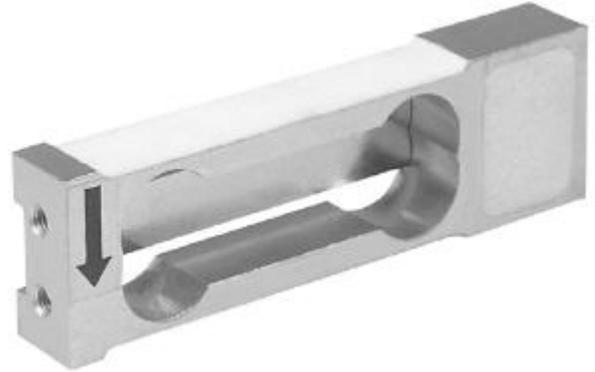


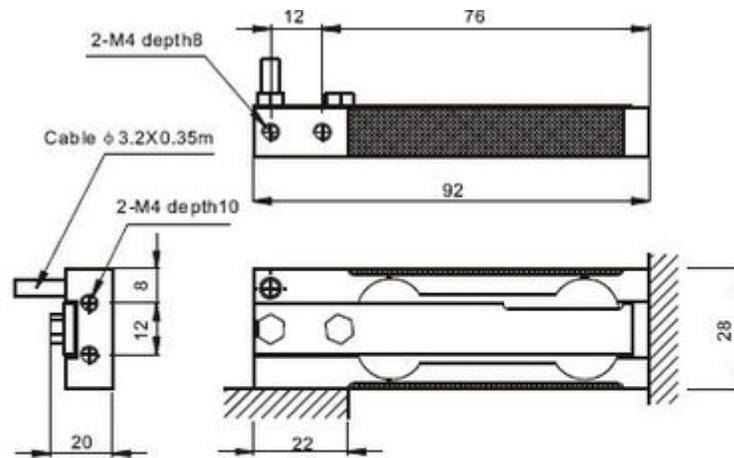
**Load Cell,
0.1kg...5kg**

Special features :

- Complies with OIML R60 C3 (E_{max}≥1kg) regulations up to 5 000d for scales class III
- Over-load protection
- Off-center load compensated
- Protection to IP66
- Explosion proof version (Ex ib II CT4)



Dimensions (in mm; 1mm = 0.03937 inches)



- Reference mounting:
Socket-head capscrew:
M4-8.8
Tightening torque:
2.5Nm

Technical Data

Type		108AA	
Accuracy class according to OIML R60		-	C3
Maximal numbers of load cell verification intervals (n_{LC})		-	5 000
Maximal capacity (E_{max})	kg	0.1;0.2;0.3;0.5	1;2;3;5
Minimum load cell verification interval (V_{min})	% of C_n	-	0.02
Reference Max.platform size	mm	200×200	230×230
Sensitivity (C_n)	mV/V	1±20%	2±20%
Zero balance	mV/V	±0.05	±0.05
Temperature effect on sensitivity (TKc) *	% of C_n/k	< ±0.0017	< ±0.0012
Temperature effect on zero balance (TKo)	% of C_n/k	< ±0.0120	< ±0.0040
Non-linearity (dlin) *	%	< ±0.023	< ±0.017
Repeatability (drep) *	%	< ±0.023	< ±0.017
Hysteresis error (dhy) *	%	< ±0.023	< ±0.017
Creep (dDR)in 30 min.	%	< ±0.05	< ±0.023
Input resistance (RLC) [Red(+)-black(-)]	Ω	415 ±15	
Output resistance (RO) [Green(+)-White(-)]	Ω	350±3	
Reference excitation voltage (Uref)	V(DC/AC)	0.5...12	
Maximal excitation voltage	V(DC/AC)	18	
Insulation resistance (Ris)	G Ω	>1 (50 VDC)	
Nominal temperature range	°C (°F)	-10...+40 (15...+105)	
Service temperature range	°C (°F)	-10...+50 (15...+122)	
Storage temperature range	°C (°F)	-25...+70 (-13...+158)	
Safe load limit (EL)	% of C_n	150	
Breaking load (Ed)	% of C_n	300	
Weight (G), approx.	kg	0.1	
Protection class (IP) acc. to IEC529		IP66	
Material		Aluminum	
Optionally		Explosion proof version(Ex ib II CT4)	

* The data for deviation of linearity, repeatability, hysteresis error and temperature effect on sensitivity are typical values. The sum of these data meets the requirements according to OIML R60.