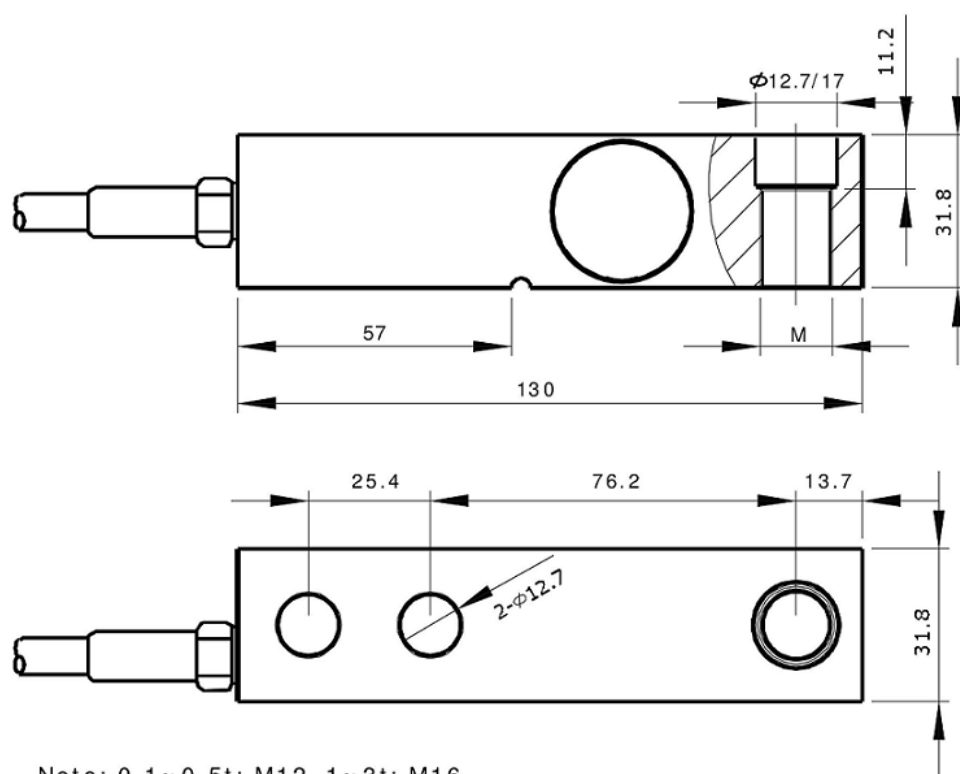
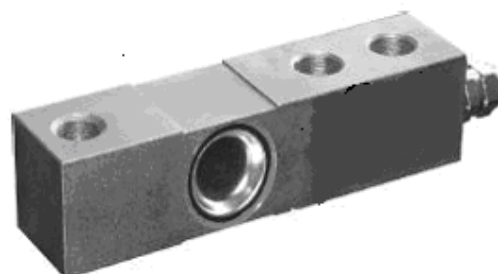


VECTOR ®

Special features:

- Low profile & high sensitivity
- Protection to IP67
- Available Options:
 - Service temperature range up to 120°C [248°F]
 - Lightning proof
 - 6-wire circuit
 - Stainless Steel



Note: 0.1 ~ 0.5t: M12, 1 ~ 3t: M16

Technical Data

Type		SB VECTOR TON CAPACITY			
Accuracy class according to NTEP		1:5000 Class III, Multiple Cell			
Maximal numbers of load cell verification intervals(NLc)		5 000			
Maximal capacity (Emax)	Kg	0.5,1,2,3,5 t			1.1
Deflection at max,load,(Snom)approx,(±20%)	mm	0.45	0.8		4.1
weight(G),approx.	kg	1	1.8		

VECTOR ®



Minimum load cell verification interval (Vmin)	% of Cn	0.01
Sensitivity (Cn)	mV/V	2±0.1%
Zero balance	mV/V	±0.06
Temperature effect on zero balance (TKo)	% of Cn/k	< ±0.0012
Non-linearity (dlin) *	% of Cn/k	<±0.0040
Repeatability (drep) *	%	<±0.017
Hysteresis error (dhy) *	%	<±0.017
Creep (dDR)in 30 min.	%	<±0.017
Input resistance (RLC) [Red(+)-black(-)]	%	< ±0.023
Output resistance (Ro) [Green(+)-white(-)]	Ω	385 ±5
Reference excitation voltage (Uref)	Ω	351±2
Maximal excitation voltage	V(DC/AC)	0.5...12
Insulation resistance (Ris)	V(DC/AC)	18
Nominal temperature range	GΩ	>5 [50 VDC]
Service temperature range	°C [°F]	-10...+40 [15...+105]
Storage temperature range	°C [°F]	-30...+70 [-20...+160]
	°C [°F]	-50...+85 [-60...+185]
Safe load limit (EL)	% of Cn	150
Breaking load (Ed)	% of Cn	300
Protection class (IP) acc. to IEC529		IP67
Material		Steel alloy/Stainless Steel (available)
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 NTEP 1:5000 Class III, Multiple Cell.

