

VECTOR[®]

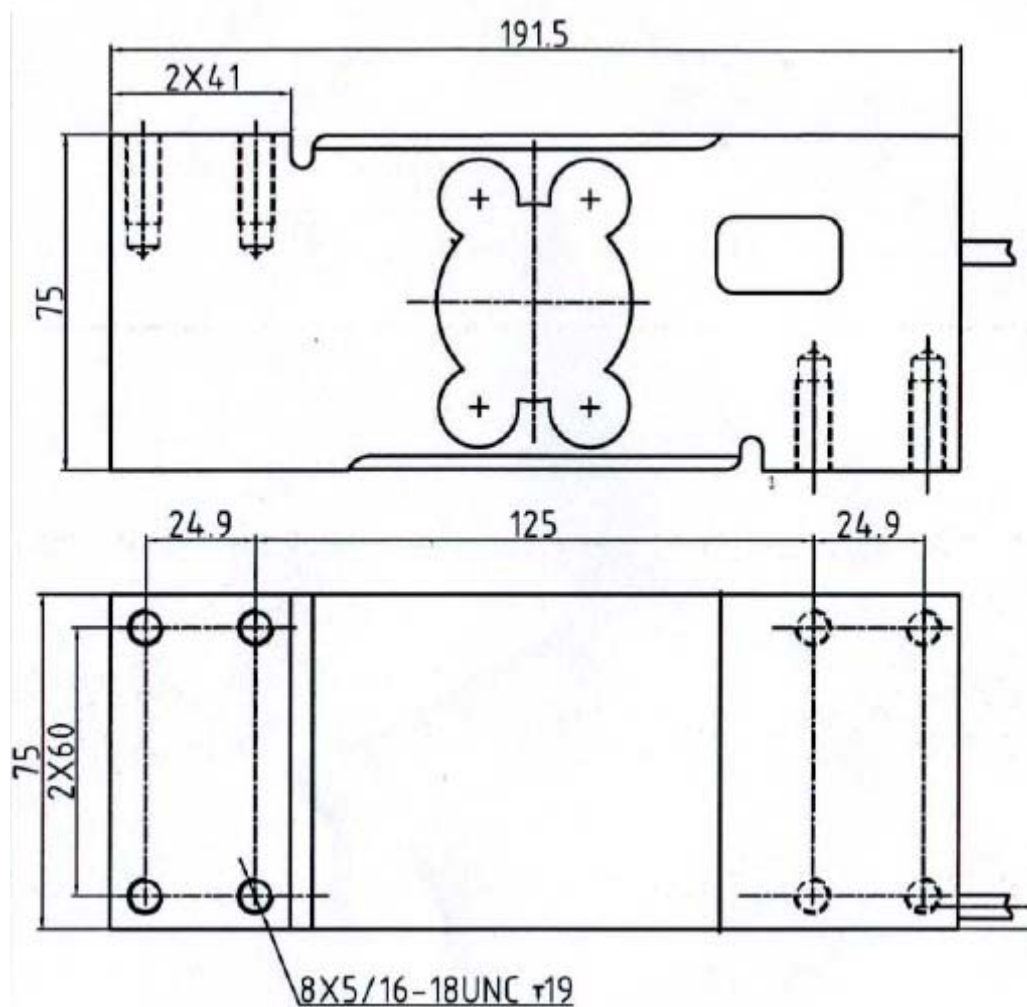


SINGLE POINT Load cell, 100kg...1000kg

Special features :

- High accuracy regulations up to 5000d for scales class III
- Tri-beam construction, high resistance to side loading
- Off-center load compensated
- Protection to IP67

Dimensions (in mm; 1mm = 0.03937 inches)



VECTOR®



Technical Data

Type		SINGLE POINT
Accuracy class according to OIML R60		C3
Maximal numbers of load cell verification intervals (n _{LC})		5000
Maximal capacity (E _{max})	kg	100; 200; 300; 500; 635 ; 1000
Reference Max. platform size	mm	750×750
Weight (G), approx.	kg	2.5
Minimum load cell verification interval (V _{min})	% of C _n	0.02
Sensitivity (C _n)	mV/V	2±10%
Zero balance	mV/V	±0.06
Temperature effect on sensitivity (TK _c) *	% of C _n /k	< ±0.0012
Temperature effect on zero balance (TK _o)	% of C _n /k	< ±0.0040
Non-linearity (d _{lin}) *	%	< ±0.017
Repeatability (d _{rep}) *	%	< ±0.017
Hysteresis error (d _{hy}) *	%	< ±0.017
Creep (d _{DR}) in 30 min.	%	< ±0.023
Input resistance (RLC) [Red(+)-black(-)]	Ω	415 ±15
Output resistance (RO) [Green(+)-white(-)]	Ω	350±3
Reference excitation voltage (U _{ref})	V(DC/AC)	0.5...12
Maximal excitation voltage	V(DC/AC)	18
Insulation resistance (R _{is})	GΩ	>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
Protection class (IP) acc. to IEC529		IP67
Material		Aluminum