

1042

Platform Load Cell

SENSOR
TECHNIQUES LIMITED



Platform Load Cell, Model 1042

- Approved to OIML R60 6000 D
- Maximum platform size 400 x 400 mm
- Available in capacity ranges from 1kg to 200kg
- Ideal for bench scales, filling and dosing machines
- Robust aluminium construction
- Dual beam system with a high natural frequency
- Sealed to IP66
- 6 wire cable with Sense and Drain connections
- Optional Hazardous area approval (ATEX) available

Technical Data

Model 1042

GRADE		E	G	C3	C6**
Number of Load Cell Intervals	n (max)			3000	6000
Minimum Utilisation	% Rated Cap.			50	60
Minimum Verification Interval	Vmin=Emax/.			6000	10000
Total Error	% Rated Load	0.050	0.020	0.020	0.0100
Zero Return after 30 mins	% Appl. Load	0.050	0.017	0.017	0.0083
Temperature Effect on : Span	%Appl. Ld./10K	0.030	0.010	0.010	0.0058
Zero	%ORL/10K	0.100	0.023	0.023	0.0240
Output at Rated Load (ORL)	mV/V	2			
Output at Rated Load Tolerance	%	± 10			
Input Impedance	Ohm	415 ± 15			
Output Impedance	Ohm	350 ± 3			
Recommended Supply Voltage	V	10			
Compensated Temp. Range	°C	-10 to +40			
Operating Temperature Range	°C	-20 to +70			
Deflection	mm	< 0.4			
Safe Overload	% Rated Cap.	150			
Maximum Overload	% Rated Cap.	200			
Ultimate Overload	% Rated Cap.	300			
Cable Length	m	1			
Typical Platform Size	mm	400 x 400			
Environmental Protection		IP66			
Rated Capacities (Emax)	Kg	1*,3, 5, 7, 10, 15, 20, 30, 50, 75, 100, 150, 200			

NMI Certificate TC2949. *1kg-capacity only available in E, F and G grades. **C6 grade only available on 20 -100 Kg capacities.

Dimensions

150
100
19.05
40
39
34.0

Electrical Connections

6-Wire Cable, 1 metre long

- +Exc = Green
- +Sen = Blue
- +Sig(Inp) = Red
- Sen = Brown
- Exc = Black
- Sig(Inp) = White

50 50
34.0
A

All Threads
M6 x 1.0 -10

1 - 30 kg : A = 20.0 mm
50 - 250 kg : A = 25.4 mm

Mounting Hole Layout 150 kg & 200 kg

34.0
19.05
25.4
15

All Dimensions in mm
Specifications are subject to change without prior notice

DS1042-6, 05/17