Tedea load cell **1022**

available with certification • ATEX • OIML • NTEP • FM • IECEx

General information

PWS34620261107

The Model 1022 is a low proile single-point load cell designed for direct mounting in low cost weighing platforms. Its small physical size, combined with high accuracy and aluminum construction, makes this low cost load cell ideally suited for retail, bench and counting scales. Using Model 1022 load cells simpliies scale construction, which results in signiicant parts and labor savings. The Model 1022 is available in a range of capacities: from 3 to 150 kg, approved to OIML R60 (4000d); to 20 to 150 kg, approved to OIML R60 (6000d); to 3 to 100 kg, approved to NTEP (5000d, single). Environmental protection to IP66 is provided as standard. For hazardous environments, ATEX approved versions are available.



Suggested related products

A highly performing weighing system must be accurate, perfectly calibrated and well maintained. In order to improve the load cell performance and to optimize its functioning, you may need the following products:

Weight Transmitter DAT 1400

Weight Indicator MCT 1302

Tester 1008 TESTER 1008

Junction Box CGS4-C

All indicated data may be changed without notice.
All the measures indicated are expressed in millimeters (mm).

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Technical specifications

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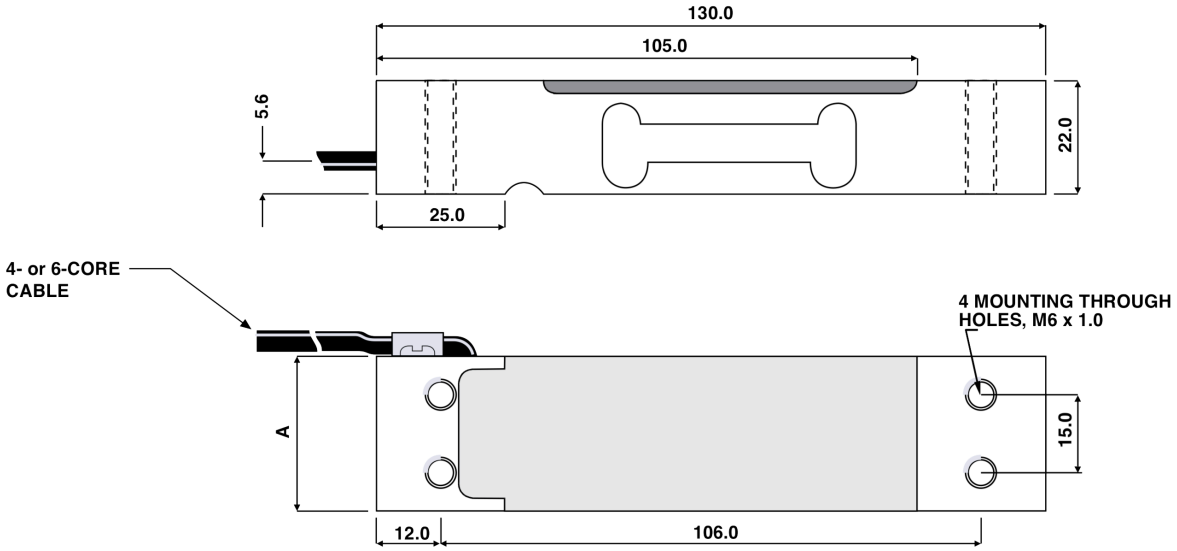
Rated Load (RL):	3, 5, 7, 10, 15, 20, 30, 35, 50, 100, 150, 200 kg
Ultimate overload:	300 % RL
Material:	Aluminium
Degree of protection:	IP66
Accuracy class:	C3, C4
Compensated Temperature:	-10 ÷ +40°C
Temperature range:	-30 ÷ +70°C
Temperature effect on zero balance:	±0.0014 % (NTEP); ±0.010 % (Non Approved); ±0.0023 % (C3); ±0.0014 % (C4) RO/°C
Temperature effect on output:	±0.0010 % (NTEP); ±0.0030 % (Non Approved); ±0.0010 % (C3); ±0.00075 % (C4) RO/°C
Rated output RO:	2 mV/V
Zero balance:	±0.10 mV/V
Insulation resistance:	> 2000 MOhm
Input impedance:	415±15 Ohm
Maximum input voltage:	15 Vdc or Vac rms
Nominal input voltage:	10 Vdc or Vac rms
Cable Lenght:	0.5 m
Load plan:	350x350
Output impedance:	350±3 Ohm

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Wiring Schematic Diagram	
UNBALANCED BRIDGE CONFIGURATION	
+VE INPUT	Green
+VE OUTPUT	Red
-VE INPUT	Black
-VE OUTPUT	White
Balanced bridge available with 6 sense wires	

CAPACITY	A
3, 5, 7 kg	25.4
10, 15, 20, 30, 35, 50, 75 kg	30.0
35, 100, 150, 200 kg	40.0

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