Shear beam load cells **Tedea 380**

General information

PVS33120191113

Model 380 is a very low profile planar beam design, allowing direct mounting in low profile platform scales. The range of capacities and low profile make Model 380 most suitable for use in a wide range of applications.

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

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Technical specifications

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Rated load RL:	7.5, 37.5, 50, 75, 150, 250 kg
Creep (30 minutes):	±0.074 % (NA); ±0.024 % (C3); ±0.018 % (C4) RO
Ultimate overload:	400 % RL
Material:	Aluminum, RTV potting
Degree of protection:	IP65
Accuracy class:	C3; C4
Compensated Temperature:	-10 ÷ +40°C
Temperature range:	-30 ÷ +70°C
Temperature effect on zero balance:	±0.007 % (NA); ±0.00186 % (C3 & C4) RO/°C
Temperature effect on output:	±0.002 % (NA); ±0.001 % (C3); ±0.00075 % (C4) RO/°C
Rated output RO:	1 mV/V
Zero balance:	±0.10 mV/V
Insulation resistance:	> 5000 MOhm
Input impedance:	1160±15 Ohm
Cable Lenght:	1.5m
Output impedance:	1000±10 Ohm

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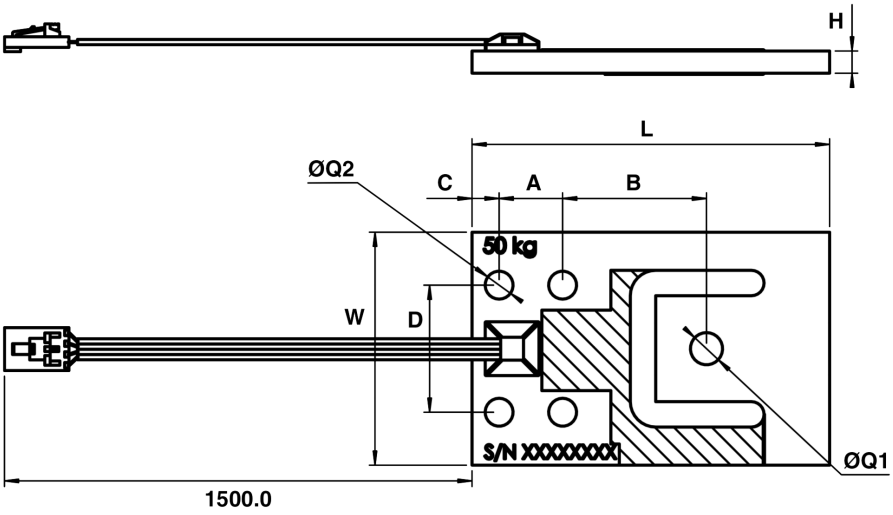

Wiring Schematic Diagram	
+VE INPUT	Green
+VE OUTPUT	Red
-VE INPUT	Black
-VE OUTPUT	White

The load cell is provided with a 4 conductor ribbon cable and with optional AMP#103957-4 connector

Type	L	A	B	C	D	W	H	Q1	Q2
PB-7.5 kg	70	14	28	4.9	27.8	39	2.5	5.1	5.1
PB-15 kg	70	14	28	4.9	27.8	39	4.1	6.2	5.1
PB-37.5 kg	76.2	15	29.3	6	30	44.5	4.8	6.2	6.6
PB-50 kg	84.5	15	34	6.4	30	55	5.3	7.6	6.6
PB-75 kg	84.5	15	34	6.4	30	55	6.4	7.6	6.6
PB-150 kg	107.5	22.8	45.9	7.8	44.5	70	8	5/16UNC	8.1
PB-200 kg	107.3	22.9	45.8	7.9	44.5	70	10.0	9.1	8.1

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

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