



LOAD CELL PA6181-SS FOR COMPRESSION AND TENSION

Stainless steel load Cell for general weighing and force measurement applications

SPECIFICATIONS

Rated output:	3.00mV/V \pm 0.1%
Accuracy class:	0.05
Non-linearity:	0.05% F.S
Hysteresis:	0.05% F.S
Non-repeatability:	0.03% F.S
Creep in 30 minutes:	0.05% F.S
Temperature effect span:	30 PPM/ $^{\circ}$ C of Applied Load
Temperature effect zero:	50 PPM/ $^{\circ}$ C of Applied Load
Compensated temperature range:	- 10 $^{\circ}$ C ~ 40 $^{\circ}$ C
Operating temperature range:	- 40 $^{\circ}$ C ~ 80 $^{\circ}$ C
Zero Balance:	\pm 1% F.S
Input resistance:	385 \pm 15 Ω
Output resistance:	350 \pm 3 Ω
Safe overload:	150% F.S
Ultimate overload:	300% F.S
Excitation voltage:	10VAC/DC
Maximum excitation voltage:	15VAC/DC
Insulation resistance:	>2000M (50V Ω DC)
Environmental protection:	IP67
Material:	Stainless steel

*All specifications are a maximum as a% (\pm) of full load, otherwise stated.

CAPACITY	A	B	C	D	E
250kg - 2t	105	89	29	M16x2.0	8 - \varnothing 7.0
5t	105	89	37	M16x2.0	8 - \varnothing 7.0
10t	105	89	29	M16x2.0	8 - \varnothing 7.0
15t	118	102	37	M24x3.0	8 - \varnothing 11
25t	118	102	45	M24x3.0	8 - \varnothing 11
50t	150	132	45	M30x3.5	12 - \varnothing 13

WIRING:

RED +INPUT
BLACK -INPUT
GREEN +OUTPUT
WHITE -OUTPUT

4 COLOR SHIELD CABLE (15 m)

CAPACITY:

0,25 0,5 1 2 5
10 15 25 50 tonne

