

Miniature Load cell



Tension & Compression

MODEL **333FDX**

Capacity 10kg, 20kg, 30kg, 50kg, 100kg

OUTLINE DIMENSION (mm)		TYPICAL MOUNTING APPLICATION	
<p>CAPACITY 0-10kg, 0-20kg, 0-30kg</p>	<p>CAPACITY 0-50kg, 0-100kg</p>	<p>in COMPRESSION</p>	<p>in TENSION</p>

SPECIFICATION

Model	333FDX
Rated Capacity (R.C)	10kg, 20kg, 30kg, 50kg, 100kg
Rated Output (R.O)	1.5mV/V \pm 10%
Non-linearity	\pm 0.05% R.O.
Hysteresis	\pm 0.05% R.O.
Repeatability	\pm 0.05% R.O.
Zero Balance	\pm 10% R.O.
Excitation, Nominal	3VDC
Excitation, Maximum	5VDC
Resistance, Input	420 ohm \pm 50 ohm
Resistance, Output	350 ohm \pm 50 ohm
Insulation Resistance	1000 Mega Ohm, Minimum
Temp.Range Compensated	-5 ~ 50 $^{\circ}$ C
Temp.Range Operated	-10 ~ 70 $^{\circ}$ C
Temp. Coef. Zero	\pm 0.3% R.O. /10 $^{\circ}$ C
Temp. Coef. Span	\pm 0.15% Load /10 $^{\circ}$ C
Safe Overload	150% R.C.
Element material	Anodized aluminum
Cable	ϕ 3mm PVC Jacket, 4C Shielded cable, 2m length
Cable Color code (Positive signal in tension direction)	Red(+EXC), Black(-EXC), Green(+SIG), White(-SIG), Bare(Shield)
Weight (without cable weight)	333FDX-10kg,20kg,30kg:17g 333FDX-50kg,100kg:75g



Feature

- Miniature load cell for tension & compression
- Compact size for limited space

Application

- Precision force measurement

Version-5, 20160715