



Description

20210-SS-MINIATURE is **CE Certified** precision universal type S Beam Load cell useful in hanging type weighing, universal testing, process & machine automation and line tension measurement. It is constructed from Stainless steel 17-4 PH for ruggedness and harsh industrial applications. It is suitable for pharmaceutical and food industries. Its design is strain gauge based with full temperature compensation over the 10°C to 50 °C range.

Applications

- Conversion of a Mechanical Scale to an Electronic
- Tank, Hopper & Bag Weighing
- Force measurement, tension or compression dynamometer
- Hanging and crane scale
- Industrial Automation
- Line tension measurement
- Process and machine automation
- Robotics
- Food and Pharma Industries

Key Features

High accuracy available as per standard ISO 376:2011

Complete Environmental Protection – Meets IP 65 class

Ideal for industrial Platform scales

Stainless steel 17-4 PH constructions for resistance against shock and overload.

Wide range of capacities from 0.25 KGF to 200 KGF.

Standardized output (2.0 + 0.2/-0.5 mV/V) and customized output can be provided on request

Calibration in mV/V/Ω

Can be **customized** to suit customer's need

Technical Specifications

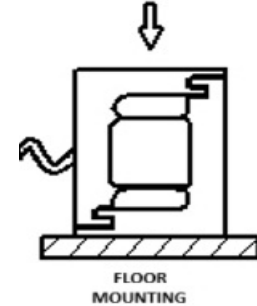
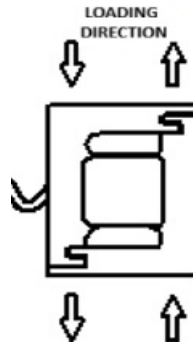
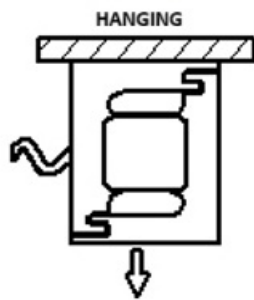
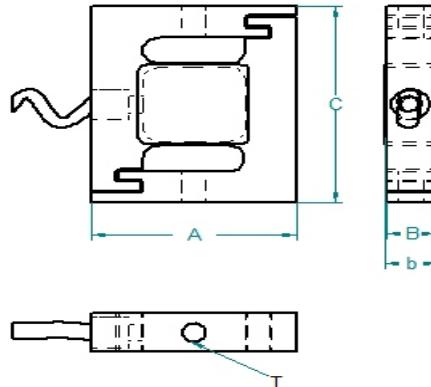
STANDARD CAPACITY		0.25, 0.5, 1, 2, 5, 10, 20, 50, 100, 200	- KGF
PERFORMANCE	Non - Linearity	< ± 0.1 % FSO	
	Hysteresis	< ± 0.05 % FSO	
	Non-Repeatability	< ± 0.02 % FSO	
	Creep (30 minutes)	< ± 0.05 % FSO	
	Zero Balance	± 5.0 % FSO	
ELECTRICAL	Output	2.00 +0.2/-0.5 mV/V	
	Excitation Voltage	Maximum 15 VDC (Suggested 5Vdc / 10 VDC)	
	Input Resistance	350 $\pm$ 15 Ω (Ohms)	
	Output Resistance	350 $\pm$ 3 Ω (Ohms)	
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)	
STRUCTURE	Safe Overload Of Rated Capacity	150%	
	Ultimate Overload of Rated Capacity	200%	
	Allowable Side Load	50%	
	Deflection	< 0.4 mm at FSO	
	Finish Product	Aluminum Alloy / Stainless steel 17-4 PH	
	As per IS/IEC 60529:2001	Meet IP65	
TEMP.	Operating Temperature	0°C to 60°C (Optional 90°C, 120°C, 150°C)	
	Compensated Temperature	10°C to 50°C (Optional 90°C, 120°C, 150°C)	
	Temperature Effect on Output	< 0.005 % FSO/ °C	
	Temperature Effect on Zero	< 0.005 % FSO/ °C	
OPTIONAL	ATEX	II 3D EX tcIIIC T60°C DC II 3G EX ec IIC GC	
	High Temperature Cable	Teflon Cable	
	High Temperature Range	40°C to 90°C (Temperature Effect on Output & Zero : < 0.020% FSO/ °C)	
	Accessories	DLC-6 DLC-6M HH-06 DIGITAL LOAD CONTROLLER (MULTI. O/P)	

20210 SS

MINIATURE S BEAM LOAD CELL



Dimension (mm)

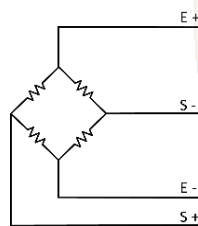


CAPACITY-KGF	A	B	C	T	MOC	Cable
0.25, 0.5, 1, 2	16	7	20	M3 X 3 Deep	Aluminum Alloy	1 Meter
5, 10, 20, 50	16	6	19	M4 X 5 Deep	Stainless steel 17-4 PH	1 Meter
100	26	12.5	40	M6 X 8 Deep	Stainless steel 17-4 PH	1 Meter
200	26	14	40	M8 X 8 Deep	Stainless steel 17-4 PH	1 Meter

All dimensions are in mm.

Specifications are Subject to Change.

ELECTRICAL TERMINATION



Excitation(E+)	Red
Signal(S-)	White
Excitation(E-)	Black
Signal(S+)	Green
Shield	