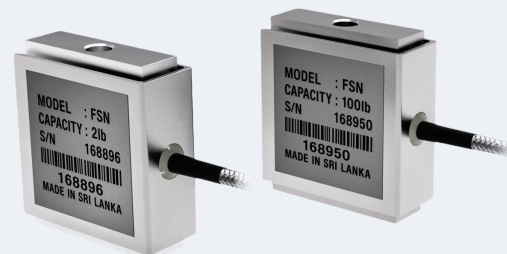


The type 3020 is a miniature high performance S beam load cell suitable for applications with limited space. Featuring integrated overload protection, this compact and lightweight sensor is ideal for a wide range of tension and compression applications.



FEATURES

- Capacities from 2lb to 100lb.
- High accuracy.
- Environmental protection IP40.
- Miniature size.
- Built in overload protection.
- Tension and compression device.

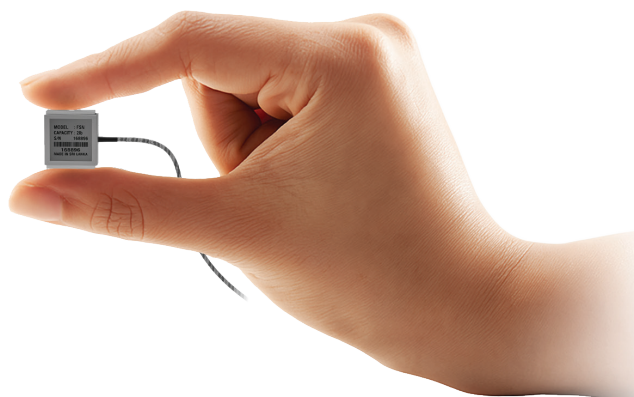
APPLICATIONS

- High volume, tight fitting OEM applications.
- Machine monitoring and control.
- Packaging machinery.
- General test and measurement.
- End of line test equipment.
- Medical Bag weighing.
- Assembly machinery.

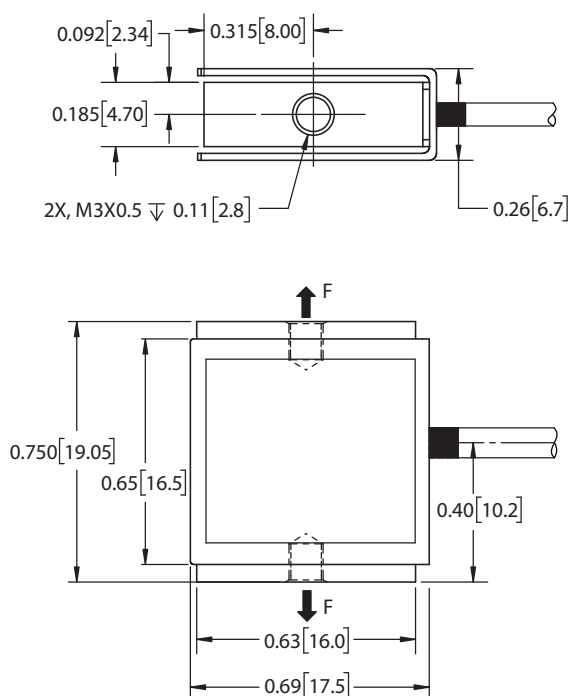
OPTIONS

- Custom cable length.

“Miniature
High Performance”



DIMENSIONS



NOTE: ARROWS INDICATE POSITIVE LOADING DIRECTION.

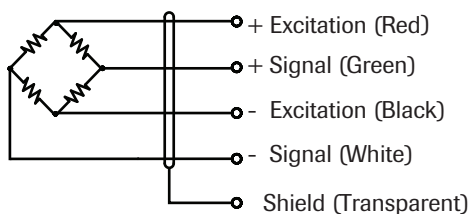
S beam 3020 FSN



SPECIFICATIONS

Model		FSN	
Capacities		See table	
Full scale output (FS)		mV/V	2.0±20%
Non-linearity (2)lb		%FS	≤±0.3
Non-linearity (5-100)lb		%FS	≤±0.1
Hysteresis (2)lb		%FS	≤±0.3
Hysteresis (5-100)lb		%FS	≤±0.1
Non-repeatability		%FS	≤±0.05
Zero balance		%FS	≤±5
Temperature range			
	Compensated	°C	-10 ~ + 40
	Operating	°C	-20 ~ + 65
Terminal resistance			
	Input resistance	Ω	350±5
	Output resistance	Ω	350±5
Excitation voltage		VDC	5...15
Insulation resistance @ 50V DC		MΩ	≥5000
Safe overload limit		%FS	150
Ultimate load		%FS	200
Cable length		feet	5
Seal type		IP40	
Element material		See table	

WIRING



Cable : 34 AWG, 4 Conductor outer braided shielded cable.

PART NUMBERS

Capacity	Part No.	Element material
2lb	3020-002-00	2024-T351 Aluminium
5lb	3020-003-00	
10lb	3020-004-00	
25lb	3021-000-00	Stainless steel
50lb	3021-001-00	
100lb	3021-002-00	