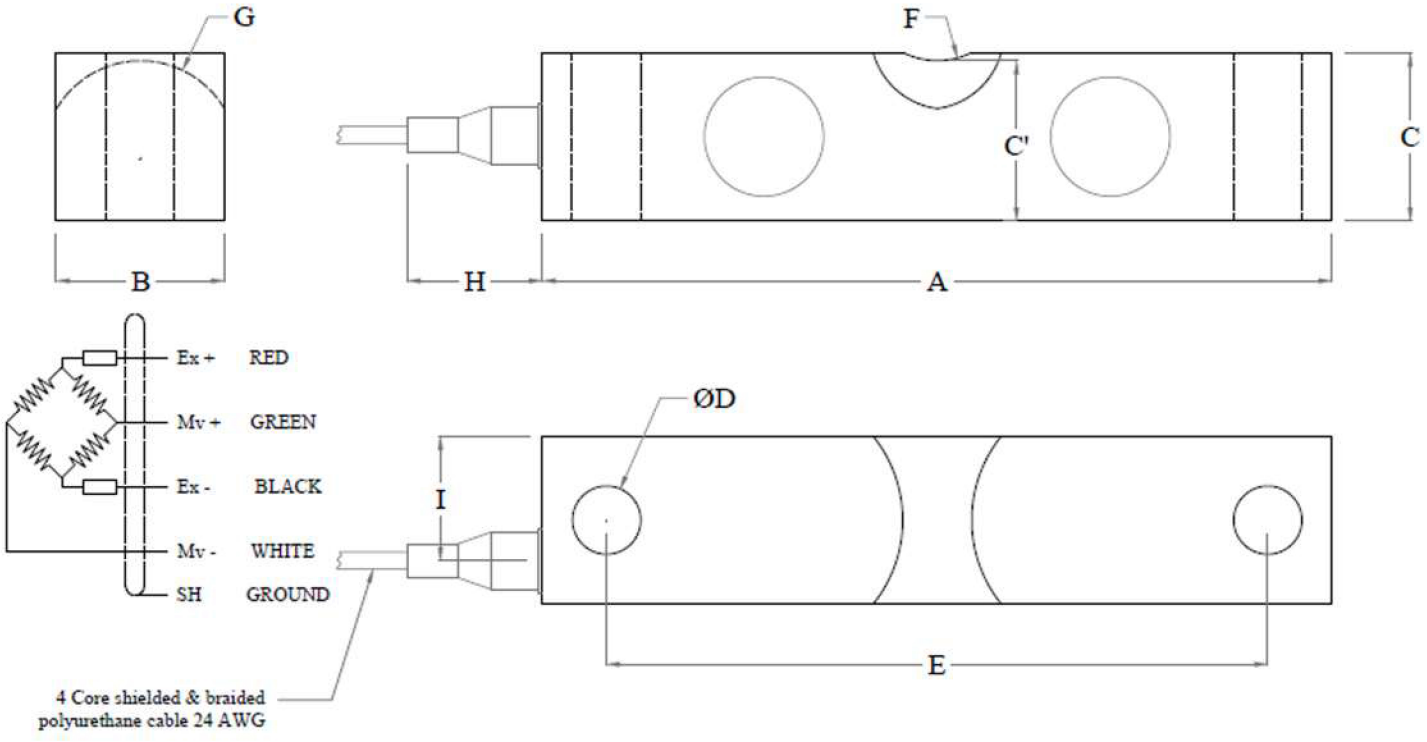
SENSOMATIC
We Sense Your Life....
(An ISO 9001 - 2015 Company)

Brand Powered by
Sensotech
Redefining Transducer Technology...

MAKE IN INDIA

MODEL : DESB-S

Dimension



Cap. tf	A	B	C	C'	D	E	F	G	H	I
4.5 -15	197	42	42	40	17	165	R19	24	45	34
18 - 20	260	48	51	50	21	216	R23.5	30	45	40

All Dimensions are in mm.

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Performance Data

Capacity Range (in Kg)	
Capacity Range (in tf)	4.5 /5 /10 /11.5 /15/18/20
Nominal Sensitivity (mv/V)	3±0.25%
Zero Signal Tolerance	0 ± 2%
Input Resistance	700±5Ω
Output Resistance	700±3Ω
Recommended Excitation Voltage	10 VDC
Maximum Excitation Voltage	25 VDC
Linearity Deviation (as % of Full Scale)	< ± 0.020
Repeatability (as % of Full Scale)	< ± 0.020
Hysteresis (as % of Full Scale)	< ± 0.020
Creep (as % of Full Scale) in 30 min	< ± 0.020
Effect of Temperature on Zero (% / ˚C)	± 0.002
Effect of Temperature on Span (% / ˚C of Load)	± 0.001
Compensated Temperature Range	-10 to + 40˚C
Operating Temperature Range	-20 to +70˚C
Combined Error (as % Full Scale)	< ± 0.025 max
Isolation Resistance (@ 50 VDC)	> 1000 M Ω
Max. Limit Force (as % of Full Scale)	150
Breaking Force (as % of Full Scale)	300
Lateral Load Limit (as % of Full Scale)	500:1
Protection Class	IP 68
Material of Construction	High Nickel Alloy Steel

Features

- ★ In-built Lightning Protection
- ★ Low Profile design
- ★ Low Deflection & Creep
- ★ Excellent Overload Capacity
- ★ Standardised Output for Multi-Transducer Application

Optional

- ★ Explosion Proof Version suitable for Group I,IIA,IIB,IIC & meet Temperature Class T4

Application

- ★ Pit / Pitless Weighbridge
- ★ Tank/Hopper Weighing
- ★ Silo Weighing / In-motion weighing

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