SinglePointLoadCells | SPL-ALU-101

Large-platform aluminum single point | Electrical and selection reference

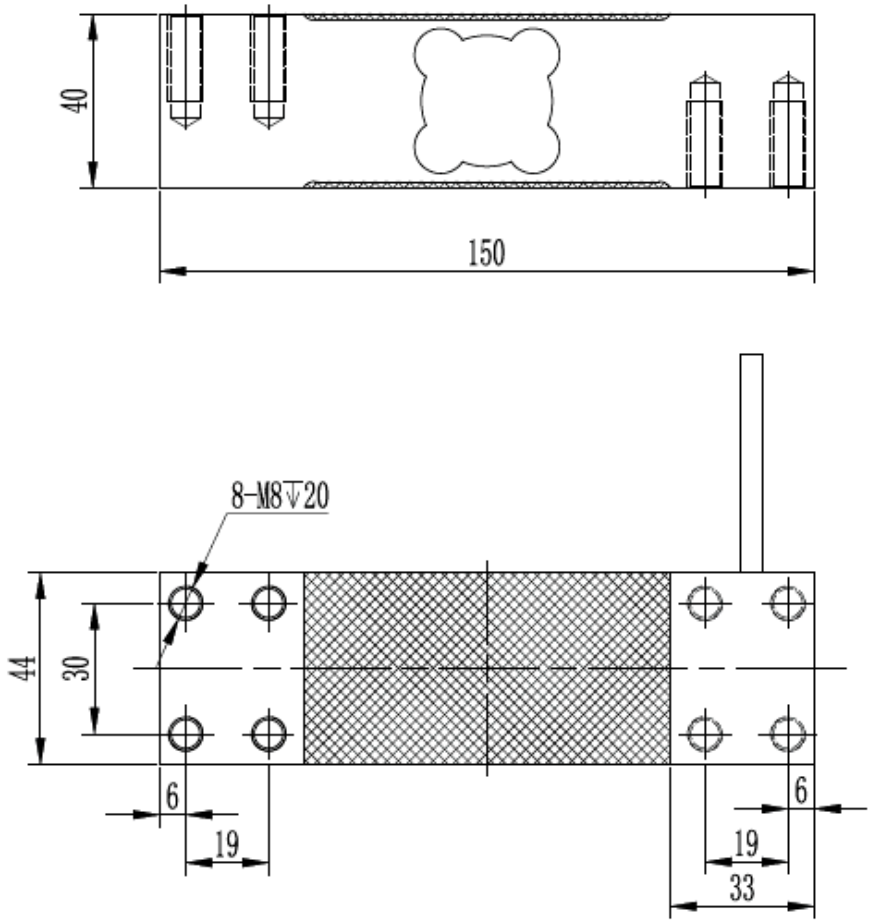
Material	Aluminum alloy
Protection	IP67
Accuracy declaration	C3 in source catalogue; exact certificate scope to confirm
Input resistance	420 +/-20 ohm
Output resistance	350 +/-10 ohm
Catalogue cable	5.3 mm diameter x 2,000 mm; 6 wires plus shield
Recommended excitation	5-15 V
Maximum excitation	15 V
Compensated temperature	-10 to +40 deg C
Operating temperature	-35 to +65 deg C
Static safe overload	150% F.S.; not an impact-survival rating
Ultimate overload	300% F.S.; not a permitted operating load
vmin / full-scale deflection	Not specified in the source table; request order-specific values
Platform envelope	600 x 600 mm

Wiring reference: EXC+ Blue; EXC- Black; SIG+ White; SIG- Red; Shield Shield; SEN+ Green; SEN- Grey. Confirm the supplied cable function chart before energizing.

Data basis: 2023 supplier catalogue, transcribed and reviewed for this independent SPL reference. These are selection values, not a released production drawing, SPL calibration report or transferred manufacturer approval. Confirm tare, eccentric loading, the drawing revision and all certificate conditions before ordering.

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Mounting reference in mm | Capacity-specific envelope and output



Capacity kg	L x W x H mm	Thread / depth	Output
50	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
80	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
100	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
150	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
200	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
250	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
300	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
350	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
400	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%
500	150 x 44 x 40	M8 / 20 mm	2.0 mV/V +/-10%

Drawing specifies eight M8 holes, 20 mm depth; local hole-centre callouts are 19 mm.
600 x 600 mm is the catalogue platform envelope. Review platen tare and permissible eccentric loading for the chosen capacity.
The outline depicts a side cable exit. Confirm cable-exit orientation and bend clearance on the order drawing.