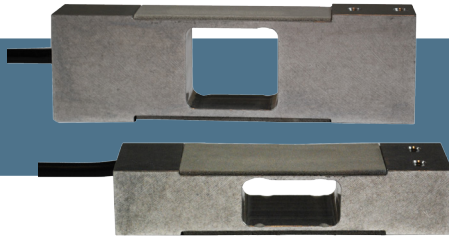


ALUMINUM SINGLE POINT SERIES



HI SPA22 and HI SPA42 Single Point Load Sensors

The Hardy Process Solutions HI SPA Series of aluminum single point load cells are designed for the OEM, conveyor and bench scale markets, which can accommodate off center loads. They are built to perform in industrial packaging, dispensing, and dosing applications. These aluminum sensors come standard with C2[®] calibration capabilities.

The HI SPA42 comes in capacities from 11lbs to 440lbs (5kg to 200kg), are environmentally rated at IP67 and have improved potting. The HI SPA42 has 3 meters of cable (9.8 ft.). It supports a maximum platform size of 400 mm x 400 mm (15.75 in x 15.75 in).

The HI SPA22 is available in capacities from 11lbs to 88lbs (5kg to 40kg), are environmentally rated at IP67 and have improved potting. The HI SPA22 has 2 meters of cable (6.5 ft.). It supports a maximum platform size of 350 mm x 350 mm (13.78 in x 13.78 in).

| SPECIFICATIONS | HI SPA42 | HI SPA22 |
|-------------------------|-------------------------------|-------------------------------|
| Rated Output (ES) | 2 ± 10% mV/V | 2 ± 10% mV/V |
| Max # Verification Int. | 3000 | 3000 |
| Min Verification Int. | E _{max} /6000 | E _{max} /6000 |
| Non-Linearity | < ± 0.0166 % R.O. | < ± 0.0166 % R.O. |
| Hysteresis | < ± 0.0166 % R.O. | < ± 0.0166 % R.O. |
| Zero Balance | < ± 5.0 % R.O. | < ± 5.0 % R.O. |
| Combined Error | < ± 0.02 | < ± 0.02 |
| Creep @ 30 Min. | < ± 0.0166 % R.O. | < ± 0.0166 % R.O. |
| Temp Effect Output | < ± 0.0140 % R.O./C | < ± 0.0233 % R.O./C |
| Temp Effect Sensitivity | < ± 0.010 % R.O./C | < ± 0.010 % R.O./C |
| Input Resistance | 413 ± 20 ohm | 413 ± 20 ohm |
| Output Resistance | 350 ± 25 ohm | 350 ± 25 ohm |
| Insulation Resistance | ≥ 5000 Mohm | ≥ 5000 Mohm |
| Excitation | 5 - 15 vdc | 5 - 15 vdc |
| Safe Load Limit | 150 % E _{max} | 150 % E _{max} |
| Ultimate Load | 300 % E _{max} | 300 % E _{max} |
| Safe Side Load | 100 % E _{max} | 100 % E _{max} |
| Material | Aluminum | Aluminum |
| Sealing | Potted | Potted |
| Protection & Hazardous | IP67, FM IS Class 1, Div 1 | IP67, FM IS Class 1, Div 1 |
| Warranty | Two years | Two years |

ORDERING INFORMATION

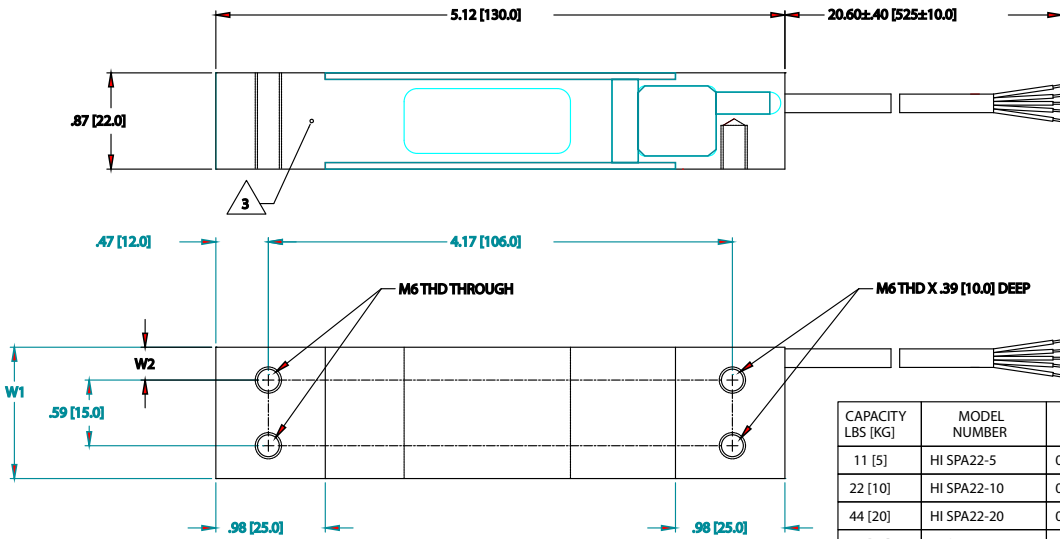
No mounting hardware. Shipping Wt. approx. 1lb for HI SPA22 and 2 lbs for HI SPA42.

| Capacity | | Model# |
|----------|----|-------------|
| lbs* | kg | Load Sensor |
| 11 | 5 | HISPA22-5 |
| 22 | 10 | HISPA22-10 |
| 44 | 20 | HISPA22-20 |
| 66 | 30 | HISPA22-30 |
| 88 | 40 | HISPA22-40 |

| Capacity | | Model# |
|----------|-----|-------------|
| lbs* | kg | Load Sensor |
| 11 | 5 | HISPA42-5 |
| 22 | 10 | HISPA42-10 |
| 44 | 20 | HISPA42-20 |
| 66 | 30 | HISPA42-30 |
| 110 | 50 | HISPA42-50 |
| 200 | 100 | HISPA42-100 |
| 440 | 200 | HISPA42-200 |

* lbs estimated based on kg conversion

HI SPA22 Single Point Aluminum



| CAPACITY LBS [KG] | MODEL NUMBER | PART NUMBER | W1 | W2 |
|----------------------|-----------------|----------------|-------------|-----------|
| 11 [5] | HI SPA22-5 | 0554-0034-01 | 1.00 [25.4] | .20 [5.2] |
| 22 [10] | HI SPA22-10 | 0554-0034-02 | 1.18 [30.0] | .30 [7.5] |
| 44 [20] | HI SPA22-20 | 0554-0034-03 | | |
| 66 [30] | HI SPA22-30 | 0554-0034-04 | | |
| 88 [40] | HI SPA22-40 | 0554-0034-05 | | |
| 110 [50] | HI SPA22-50 | 0554-0034-06 | | |

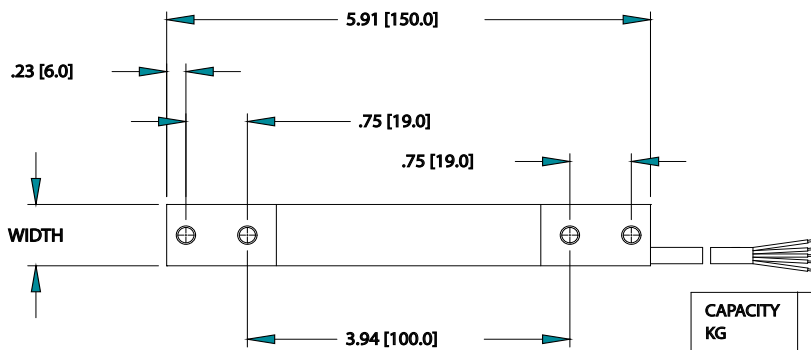
C2 WIRE COLOR CODE FLAG LABEL IS FOUND APPROX. 10 IN. FROM END OF SENSOR'S CABLE

| | |
|--------------|--------|
| EXCITATION + | GREEN |
| EXCITATION - | BLACK |
| SIGNAL + | WHITE |
| SIGNAL - | RED |
| C2 + | GRAY |
| C2 - | VIOLET |
| SHIELD | YELLOW |

WARNING: NEVER cut load sensor cable

CABLE LENGTH 6 FEET

HI SPA42 Single Point Aluminum



| CAPACITY KG | MODEL NUMBER | PART NUMBER | WIDTH |
|----------------|-----------------|----------------|-------------|
| 5 | HI SPA42-5 | 0554-0030-01 | .78 [19.8] |
| 10 | HI SPA42-10 | 0554-0030-02 | |
| 20 | HI SPA42-20 | 0554-0030-03 | |
| 30 | HI SPA42-30 | 0554-0030-04 | |
| 50 | HI SPA42-50 | 0554-0030-05 | 1.00 [25.4] |
| 100 | HI SPA42-100 | 0554-0030-06 | |
| 200 | HI SPA42-200 | 0554-0030-07 | |

M6X1.0 FOR 5KG THRU 100KG,
M8X1.0 FOR 200KG
4 PL

