



APLUE Series - Single Point Load Cells

Overview

The Laumas single point load cell delivers exceptional accuracy with capacities ranging from 100 kg to 600 kg. An IP65 rating ensures reliable performance in tough environments. The APLUE is a great solution for industrial weighing applications. Laumas load cells are manufactured in Europe to high quality specifications and standards.



Part No. [APLUE100](#)

Features

- High level of accuracy $\pm 0.02\%$ full scale
- Can handle off-center loads for platforms up to 600 x 600mm
- Tough corrosion-resistant anodized aluminum alloy
- 150% overload rating prevents damage and extends sensor lifespan
- -22 to +185 °F [-30 to +85 °C] operating temperature range
- Ideal for platform scales, conveyor systems, and small hopper applications
- Integrated shielded 4-conductor cable
- IP65 protection rating
- Made in Spain



| APLUE Series Single Point Load Cells | | | | | | | | | | | | |
|--------------------------------------|------------------|----------------|----------------------------|--------------|-------------------|-------------------|---|----------|--------------|---------------------|---------------------------------------|--------------------------------------|
| Part Number | Load Rating | Material | Accuracy | Rated Output | Operating Voltage | Output Resistance | Electrical Connection | Price | Weight (lbs) | Drawing Link | Manufacturer Technical Specifications | Manufacturer Installation Guidelines |
| APLUE100 | 220 lb / 100 kg | Aluminum alloy | $\pm 0.02\%$ of full scale | 2 mV/V | 3-15 VDC | 350 Ω | 6.5ft / 2m integral 4-wire shielded cable | \$245.00 | 3.48 | PDF | PDF | PDF |
| APLUE300 | 660 lb / 300 kg | | | | | | | \$245.00 | 3.53 | PDF | | |
| APLUE600 | 1320 lb / 600 kg | | | | | | | \$245.00 | 3.54 | PDF | | |

Note: For additional wiring, specifications and installation information, refer to the additional Manufacturer Specs and Manual PDFs.

Wiring



Sizing of load cells capacity

For static weighing, it is advisable to implement a safety factor and only use load cells at a maximum of 70-80% of its nominal capacity (assuming that the load is uniformly distributed over the entire weighed structure). Dynamic loads require the consideration of additional introduced forces that contribute to the total maximum load on the load cell.