

VLC-110 / VLC-110S

'S' TYPE LOAD CELL

APPLICATIONS

Mechanical scale conversion,
Tank, bin and hopper weighing,
Truck scale conversion,
Tension / compression measurement



STANDARD CAPACITY

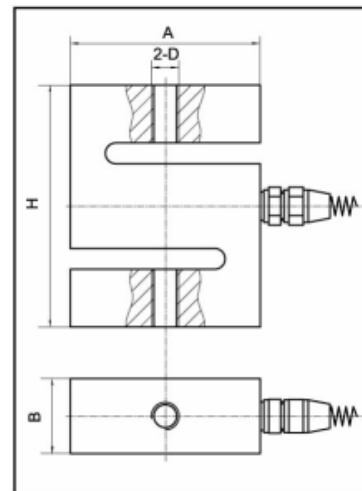
50, 100, 150, 250, 500, 750 lb
1k, 1.5k, 2k, 3k, 5k, 10k, 15k, 20klb

WIRING

| | |
|-------|------------|
| RED | Input (+) |
| BLACK | Input (-) |
| GREEN | Output (+) |
| WHITE | Output (-) |

SPECIFICATIONS

| | |
|--------------------------|--|
| Rated output | 2.95 ~ 3.05 mV/V |
| Non-linearity | 0.03% F.S. |
| Hysteresis | 0.03% F.S. (VLC-110) 0.05% F.S. (VLC-110S) |
| Non-repeatability | 0.02% F.S. |
| Creep (in 1 hr) | 0.03% F.S. |
| Zero Balance | ± 1% |
| Temp. effect span | 15 PPM / °C |
| Temp. effect zero | 26 PPM / °C |
| Operating Temp. range | -20°C ~ +60°C |
| Compensated Temp. range | -10°C ~ +40°C |
| Input resistance | 385 ± 15Ω |
| Output resistance | 350 ± 3Ω |
| Safe overload | 150% F.S. |
| Ultimate overload | 300% F.S. |
| Excitation voltage | 10VDC/AC |
| Max. Excitation voltage | 15VDC/AC |
| Insulation resistance | ≥2000MΩ |
| Environmental protection | IP67 |
| Material | Alloy tool steel (VLC-100) Stainless steel (VLC-100S) |
| Cable Length | 20FT |



DIMENSION

(inch)

| Capacity | A | B | H | D |
|---------------|------|------|------|-------------|
| 50 ~ 150 lb | 2.00 | 0.50 | 2.50 | ¼-28UNF-2B |
| 250 lb | 2.00 | 0.75 | 3.00 | ⅜-24UNF-2B |
| 500 ~ 1500 lb | 2.00 | 0.75 | 3.00 | ½-20UNF-2B |
| 2 ~ 3klb | 2.00 | 1.00 | 3.00 | ½-20UNF-2B |
| 5 ~ 10klb | 3.00 | 1.00 | 4.25 | ¾-16UNF-2B |
| 15klb | 4.00 | 1.25 | 5.50 | 1-14UNF-2B |
| 20klb | 5.00 | 2.00 | 7.00 | 1¼-12UNF-2B |

* Specifications are subject to change without prior notice

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