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TECHNICAL SPECIFICATIONS DIGITAL LOAD CELL & INDICATOR

LOAD INDICATOR

01. DISPLAY : 3 1/2 display of red, 7 segments LED of Typical 12.7 mm character height
02. RESOLUTION: One part in 2000.
03. ACCURACY : Within $\pm 0.1\%$ FSR ± 1 count
04. INPUT : From Strain Gauge based Load Cell.
05. NO. OF INPUTS : One (CHANNELS)
06. INPUT CONNECTION : Thro' 5 pin ALLIED connector
07. LVDT EXCITATION : 10 VDC
08. ZERO ADJUSTMENT : Multiturn potentiometer is provided.
09. OUTPUT : Analog output of +/- 5 VDC
10. OVERRANGE INDICATION: For readings in excess of 1999, Display indicates -1
11. POLARITY INDICATION : Automatic: + for Compression / - for Tension
12. OPERATING TEMP. : +10 deg C to ⁺⁵⁰+45 deg C
13. POWER SUPPLY REQUIREMENT : 230V $\pm 10\%$, 50Hz, AC mains
14. CABINET : Separate Box

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UNIVERSAL LOAD CELL MODEL:4100 Series

- 01. TYPE : Strain Gauge Based
- 02. CAPACITY : 1000 Kg
- 03. STRAIN GAUGE BRIDGE : Full Bridge.
- 04. SAFE OVER LOAD : 125% of Rated Capacity.
- 05. MAX. OVER LOAD : 150% of Rated Capacity.
- 06. FATIGUE RATING : 1 Million Full Cycles.
- 07. ACCURACY : +/- 0.5 % of Rated Capacity or Better.
- 08. REPEATABILITY : +/- 0.5 % of Rated Capacity or Better.
- 09. HYSTERESIS : +/- 0.5 % of Rated Capacity or Better.
- 10. EXCITATION : 10VDC MAX.
- 11. TERMINAL RESISTANCE : 350 Ohms (Nominal)
- 12. TEMP. RANGE : + 10 Deg C to + 50 Deg.C
- 13. SENSITIVITY : 1 mV/V (Nominal)
- 14. ELECTRICAL : Thro' a 4 Pin MS Connector.

QUALIFYING REQUIREMENT FOR VENDOR:

- 01. Vendor shall be OEM for Load Cell for above requirement / range.
- 02. In-house calibration facility
- 03. Experience of Similar equipment manufactured & supplied.
- 04. Support service upto next 10 years.
