

LOAD CELL BY730 (EXTENSOMETER)

BAYKON

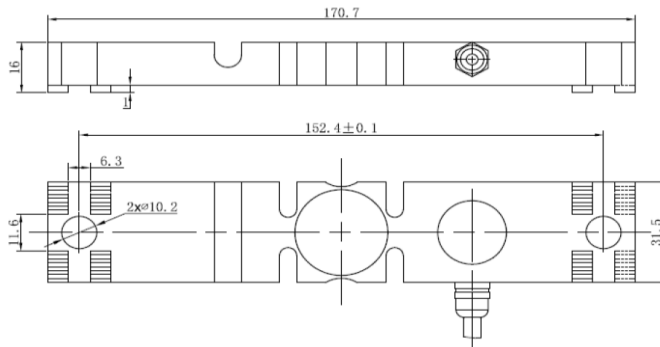
Model BY730 extensometer is a special load sensor designed for force measurement on any load-bearing structure. This extensometer provides an ideal solution for non-intrusive level measurements for materials that are subject to uneven buildup, bridging, or sidewall collection.

Key features;

- Strain gage based sensor
- Alloy steel construction
- Easy montage with 2 bolt holes
- IP66 Hermetically sealed protection



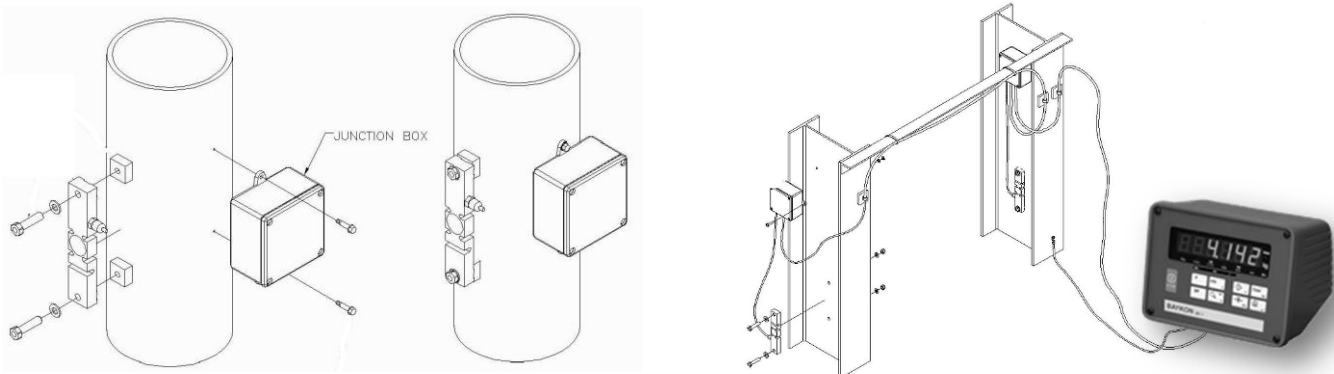
Dimensions (mm) ;



Cable color codes

+ Excitation	Red
- Excitation	Black
+ Signal	Green
- Signal	White
Shield	Yellow

Typical Installations;



Technical specifications;

Output sensitivity	RO	mV/V	1.65 ± 0.005
Temperature effect on zero		%FS / 10°C	± 0.1
Temperature effect on sensitivity		%FS / 10°C	± 0.1
Combined Error		% E_{max}	± 1
Safe load limit		% E_{max}	120
Over load limit		% E_{max}	150
Zero balance		% RO	± 1
Excitation ,recommended		V DC	10 – 12
Excitation , maximum		V DC	15
Input resistance		Ω	400 ± 50
Output resistance		Ω	352 ± 5
Insulation impedance		M Ω	≥ 5000 (50 VDC)
Temperature range , operating		°C	- 30 ... + 70
Material			Stell
Protection class			IP66
Cable			Length 5 m /dia. 5 mm

(Properties are subject to change without notification. 11 / 2014)