



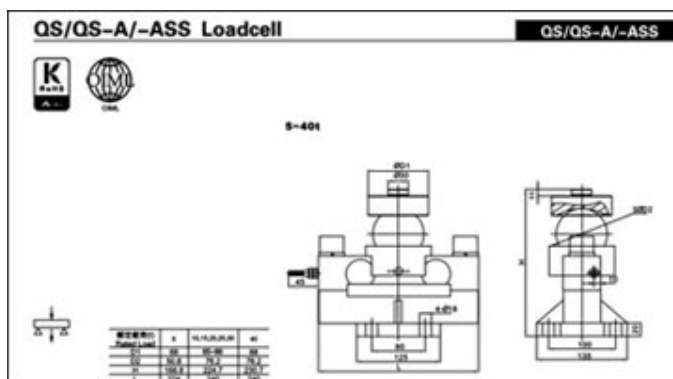
# DOUBLE ENDED SHEAR BEAM LOAD CELL

## QS-A

IEICOS 70310 is a double ended shear beam Load Cell is ideally suited for truck, track, tank and hopper weighing applications. From its nickel exterior protection to its triple-seal gage area, this cell is designed to withstand the rigorous of harsh environmental conditions.



**Dimensions:** See table below



### Wiring Scheme

Red + (Input +) White - (Output -) Black - (Input -) Green + (Output +)

### Performance Specification

Standard Capacities	5,10,15,20,23,30,40,50,75,100 - Tf
Excitation Voltage	10 VDC - Maximum 15 VDC
Nominal Output	2.0 mV/ V
Non - Linearity	< ±0.025% FSO
Hysteresis	< ±0.02% FSO
Non-Repeatability	< ±0.01% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±1.0% FSO
Input Resistance	770 ± 20 Ohms
Output Resistance	700 ± 7 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	300%
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.0015% FSO/ 0C
Temperature Effect on Zero	< 0.0020% FSO/ 0C
Finish & Construction	Electroless Nickel Plated Tool Steel
Environmental Protection Class	IP68

## INDUSTRIAL ENGINEERING INSTRUMENTS

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Due to continuous improvement, specifications, dimensions, look, color, feel and features subject to change without notice.