



DOUBLE ENDED SHEAR BEAM LOAD CELL

65058

IEICOS 65058 is a mid to high capacity, nickel plated alloy steel, double ended Shear beam load cell. This product is designed for use in certified truck and rail scales and is available in capacities ranging from 10K to 200Klbs. This load cell is rated intrinsically safe by the Factory Mutual System (FM); making it suitable for use in potentially explosive environment. This load cell is certified for legal for trade applications by both American NTEP and International OIML standards.



Wiring Scheme

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

SPECIFICATIONS					
PARAMETER	VALUE				UNIT
Rated capacity-R.C. (E_{max})	10K, 25K, 40K, 50K, 60K, 75K, 100K ⁽¹⁾				lbs
NTEP/OIML Accuracy class	NTEP III	NTEP III/L	Standard	OIML R60	
Maximum no. of intervals (n)	5000 multiple	10000 multiple		3000	
$Y = E_{max}/V_{min}$	See NTEP cert. 86-046A3				Maximum available
Rated output-R.O.	3.0				mV/V
Rated output tolerance	0.25				±% mV/V
Zero balance	1.0				±% FSO
Combined error	0.02	0.02	0.03	0.02	±% FSO
Non-repeatability	0.01	0.01	0.015	0.01	±% FSO
Creep error (30 minutes)	0.025	0.030	0.03	0.017	±% FSO
Temperature effect on zero	0.0010	0.0010	0.0015	0.0010	±% FSO/°F
Temperature effect on output	0.0008	0.0008	0.0008	0.0007	±% of load/°F
Compensated temperature range	14 to 104 (-10 to 40)				°F (°C)
Operating temperature range	0 to 150 (-18 to 65)				°F (°C)
Storage temperature range	-60 to 185 (-50 to 85)				°F (°C)
Sideload rejection ratio	500:1				
Safe sideload	100				% of R.C.
Maximum safe central overload	150				% of R.C.
Ultimate central overload	300				% of R.C.
Excitation, recommended	10				Vdc or Vac rms
Excitation, maximum	25				Vdc or Vac rms
Input impedance	686 - 714				Ω
Output impedance	699 - 707				Ω
Insulation resistance at 50VDC	>1000				MΩ
Material	Nickel plated alloy tool steel ⁽²⁾				
Environmental protection	IP67				

INDUSTRIAL ENGINEERING INSTRUMENTS

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