



Accurately Weighing Africa



# 335

Welded, Hermetically Sealed Load Cell



Sasco is a dynamic weighing solutions focused company which procures and supports a leading range of globally sourced industrial weighing technologies. Sasco has the highest metrological ranking of any Southern and Central African company, and as a result of our experience gained through 100 years of operation, we are uniquely positioned to specify and supply optimal weighing equipment, automation and weighing information data solutions to Southern and Central Africa's leading industrial companies. Sasco reputation has been built on innovation and choice underpinned by professionalism, modernity and experience.

## GENERAL

Model 355 is a welded bending load cell manufactured in stainless steel. Hermetically sealed against moisture the Model 355 construction and polyurethane shielded cable enables the load cell to function in harsh environments while maintaining its operating specifications.

The low profile, high accuracy and sealing makes this load cell highly suitable for applications such as low-profile platforms, weighing and packing machines, conversion of mechanical scales and variety of other applications where sealed cells are required. For hazardous environments this load cell is available with EEx ia IIC T6 level of approval as an option.

The two additional sense wires feedback the voltage reaching the load cell. Complete compensation of change in the lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.



## FEATURES

- Capacities 5–500 kg
- Stainless steel construction
- OIML R60 and NTEP approved
- IP68 protection

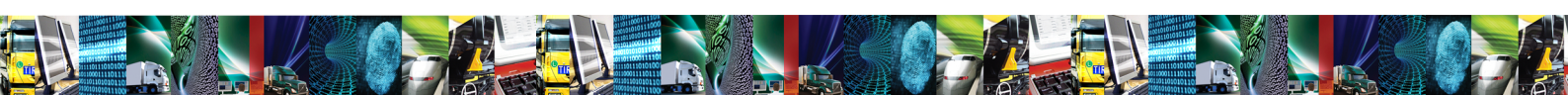
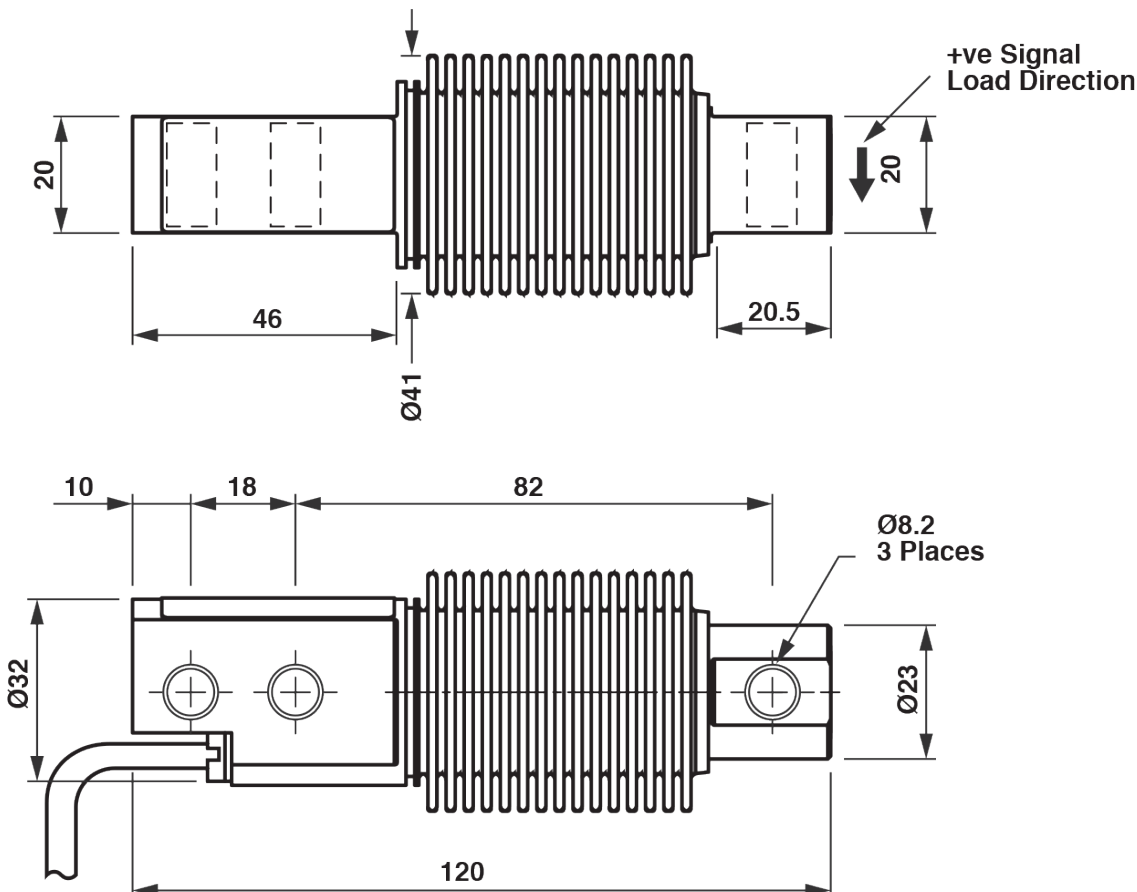
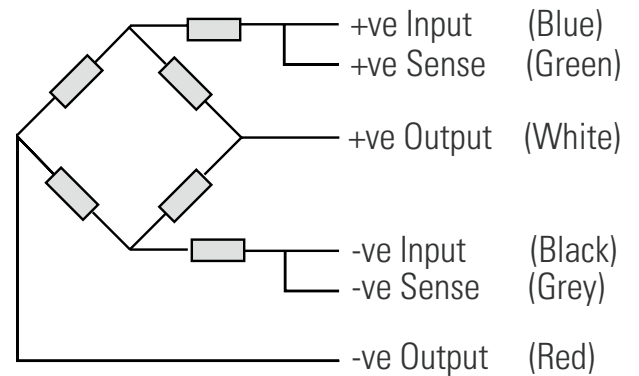
## OPTIONAL FEATURES

- EEx ia IIC T6 hazardous area approval
- FM approval available

## APPLICATIONS

- Low profile platforms
- Loss-in-weight feeders
- Marine and hybrid scales
- Belt weighers
- Food industry harsh environment

## OUTLINE DIMENSIONS - In millimeters



## SPECIFICATIONS

PARAMETER	VALUE				UNIT
<b>Rated capacity - R.C. (Emax)</b>	5, 10, 20, 30, 50, 100, 200, 250, 500				kg
<b>NTEP/OIML accuracy class</b>	NTEP	Non-Approved	C3(1)	C4(2)	
<b>Maximum no. of intervals (n)</b>	4000 single	1000	3000	4000	
<b>Y = Emax/Vmin</b>	5800	2000	15000	13333	Maximum available 15000
<b>Rated output - R.O.</b>	2.00 (UR matched = 2.02)				mV/V
<b>Rated output tolerance</b>	0.002				±mV/V
<b>Zero balance</b>	0.04				±mV/V
<b>Zero return, 30 min.</b>	0.0125	0.0500	0.0170	0.0125	±% of applied load
<b>Total error</b>	0.0200	0.05	0.0200	0.0150	±% of rated output
<b>Temperature effect on zero</b>	0.0023	0.007	0.0009	0.0011	±% of rated output/°C
<b>Temperature effect on output</b>	0.001	0.0040	0.0010	0.0008	±% of applied load/°C
<b>Temperature range, compensated</b>	-10 to +40				°C
<b>Temperature range, safe</b>	-20 to +70				°C
<b>Maximum safe central overload</b>	150				% of R.C.
<b>Ultimate central overload</b>	300				% of R.C.
<b>Excitation, recommended</b>	10				VDC or VAC RMS
<b>Excitation, maximum</b>	15				VDC or VAC RMS
<b>Input impedance</b>	380±10				Ω
<b>Output impedance</b>	355±5				Ω
<b>Insulation resistance</b>	>2000				MΩ
<b>Cable length</b>	3				m
<b>Cable type</b>	6-wire, braided, polyurethane, dual loading				Standard
<b>Construction</b>	Stainless steel				
<b>Environmental protection</b>	IP68				
<b>Recommended torque</b>	22.0				N*m

- (1) 20% utilization  
(2) 30% utilization

*All specifications subject to change without notice.*

### SMART SUPPORT

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