

# AC SERIES COMPRESSION LOAD CELLS

## COMPONENTS + SPECIFICATIONS GUIDE

Cardinal Scale's AC series load cells and electronics provide everything you need for a vehicle scale, minus the weighbridge.

3502-D429-0A



3502-D596-1A

225














3502-D617-1A



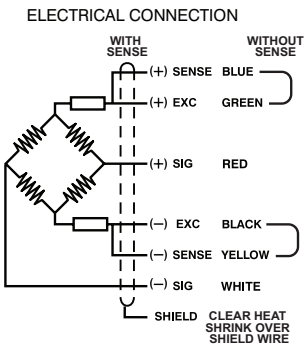
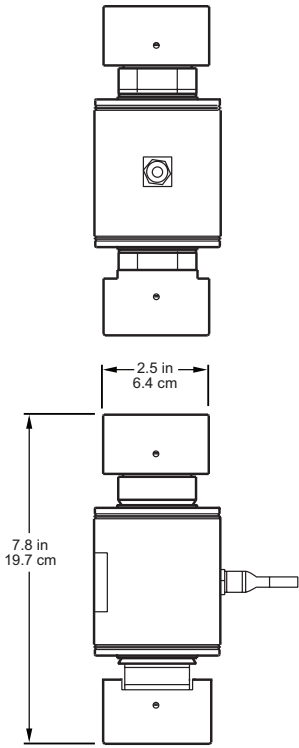
(8) AC-100K



**Cardinal**  
www.CardinalScale.com

	MODEL #	DESCRIPTION
	AC-50K	22,700 kg / 50,000 lb capacity analog compression load cell
	AC-100K	45,000 kg / 100,000 lb capacity analog compression load cell
	3502-D596-1A	Universal 8 load cell analog junction box
	3502-D617-1A	8 load cell transient protection junction box
	3502-D596-0A	Universal 12 load cell analog junction box
	3502-D617-0A	12 load cell transient protection junction box
	3502-D429-0A	Pull junction box
	0146-B020-08	Load cell cup retainer plate (non-painted)
	RC3-KIT	Load cell cups and anti-rotation mounting hardware for using AC or DC load cells to replace 30 or 40 metric ton Flintec RC3 load cells
	225	225 Navigator digital weight indicator (OIML and NTEP approved)
	825	825 Spectrum digital weight indicator (OIML and NTEP approved)

# AAC SERIES COMPRESSION LOAD CELLS



## SPECIFICATIONS

<b>Capacity</b>	<b>AC-50K</b>	22,700 kg / 50,000 lb
	<b>AC-100K</b>	45,000 kg / 100,000 lb
<b>Rated Output</b>	2mV/V at rated capacity	
<b>Output Resistance</b>	1005±5	
<b>Input Resistance</b>	1150±50	
<b>Accuracy Class</b>	4,000 n. OIML / 10,000 NTEP	
<b>Minimum Dead Load</b>	0%Ln	
<b>Service Load</b>	120%Ln	
<b>Safe Load Limit</b>	200% Rated Capacity	
<b>Total Error</b>	< ±0.017%Sn	
<b>Repeatability Error</b>	< ±0.015%Sn	
<b>Temperature Effect on Zero</b>	< ±0.01%Sn/5 °C	
<b>Temperature Effect on Sensitivity</b>	< ±0.006 %Sn/5 °C	
<b>Creep Error (30 minutes)</b>	< ±0.016 %Sn	
<b>Temperature Compensation</b>	-10°C to + 40°C	
<b>Temperature Limits</b>	-50°C to +60°C (OIML and NTEP certified up to +40°C)	
<b>Nominal Sensitivity</b>	2mV/V	
<b>Nominal Input Voltage</b>	10V	
<b>Maximum Input Voltage</b>	15V	
<b>Input Impedance</b>	1150±50Ω	
<b>Output Impedance</b>	1005±5Ω	
<b>No Load Output</b>	±2%Sn	
<b>Insulation Resistance</b>	> 5000 Ω	
<b>Maximum Deflection</b>	0.6-1mm	
<b>Protection Class</b>	IP69K	
<b>NTEP Certification Number</b>	17-123	
<b>OIML Certification Number</b>	2000-A-GB1-18.03	

Cardinal Scale reserves the right to improve, enhance, or modify features and specifications without prior notice.

**SOLD BY:**

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