

# SMART CELL<sup>®</sup>


## DIGITAL LOAD CELLS

# DC SERIES

## COMPONENTS + SPECIFICATIONS GUIDE

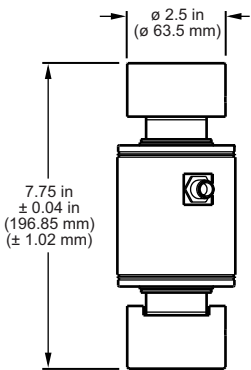
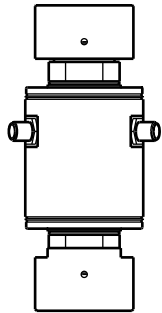
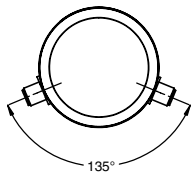
Cardinal Scale's DC series load cells and electronics provide everything you need for a vehicle scale, minus the weighbridge.



	MODEL #	DESCRIPTION
	DC-50K	22,700 kg / 50,000 lb capacity digital compression load cell
	DC-100K	45,000 kg / 100,000 lb capacity digital compression load cell
	0330-0065-08	4.5 m / 15 ft long load cell interconnect cable
	0330-0066-08	8.2 m / 27 ft long load cell interconnect cable
	0330-0443-08	11.2 m / 37 ft long load cell interconnect cable
	0330-0067-08	Load cell end terminator
	6610-1308	Screw terminal connector homerun cable
	6610-1307	Solder terminal connector homerun cable
	0146-B020-08	Load cell cup retainer plate (non-painted)
	RC3-KIT	Load cell cups and anti-rotation mounting hardware for using DC or AC load cells to replace 30 or 40 metric ton Flintec RC3 load cells
	225D	225 Navigator weight indicator with digital load cell connectivity
	225-DLC	Digital load cell option card for 225 indicator (included in 225D)
	825D	825 Spectrum weight indicator with digital load cell connectivity
	825-DLC	Digital load cell option card for 825 indicator (included in 825D)

 **Cardinal**<sup>®</sup>  
www.CardinalScale.com

# DC SERIES



## SPECIFICATIONS

Capacity	DC-50K	22,700 kg / 50,000 lb
	DC-100K	45,000 kg / 100,000 lb
Rated Output	Cardinal Digital Format	
Connectors	5-pin, M12 Male, A-Coding	
Safe Load Limit	200% Rated Capacity	
Minimum Dead Load	0%Ln	
Service Load	120%Ln	
Accuracy Class	4,000 n. OIML	
Total Error	<math>< \pm 0.013\% \text{Sn}</math>	
Repeatability Error	<math>< \pm 0.015\% \text{Sn}</math>	
Temperature Effect on Zero	<math>< \pm 0.01\% \text{Sn} / 5 \text{ }^\circ\text{C}</math>	
Temperature Effect on Sensitivity	<math>< \pm 0.006 \text{ } \% \text{Sn} / 5 \text{ }^\circ\text{C}</math>	
Creep Error (30 minutes)	<math>< \pm 0.012 \text{ } \% \text{Sn}</math>	
Input Voltage Range	12 V – 24 V	
Insulation Resistance	> 5000 M $\Omega$	
Maximum Deflection (at Ln)	0.6-1 mm	
Temperature Compensation	-10 to +40°C	
Temperature Limits	-50 to +60°C (OIML certified up to + 40°C)	
Protection Class	IP69K	
OIML Certification Number	2000-GB1-17.18	

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

**SOLD BY:**

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