

SMARTCELL®

DIGITAL LOAD CELLS

DC | HEAVY-CAPACITY SERIES DIGITAL COMPRESSION LOAD CELLS



- Vehicle weighing, tank/hopper weighing
- Digital compression load cell with self-centering column
- Cloud-based monitoring convenience
- Stainless steel IP69K protection rating
- No junction box connections necessary
- Anti-rotation system



ANTI-ROTATION, DIGITAL COMPRESSION LOAD CELLS

DIGITAL WEIGHING ACCURACY AND ISITE MONITORING CONVENIENCE

- 50,000-lb/22,700-kg and 100,000-lb/45,000-kg capacities available
- 4,000 divisions OIML R60 class C
- Simple to install
- Hermetically-welded, protection class IP69K
- Lightning protection
- OIML certified for international use

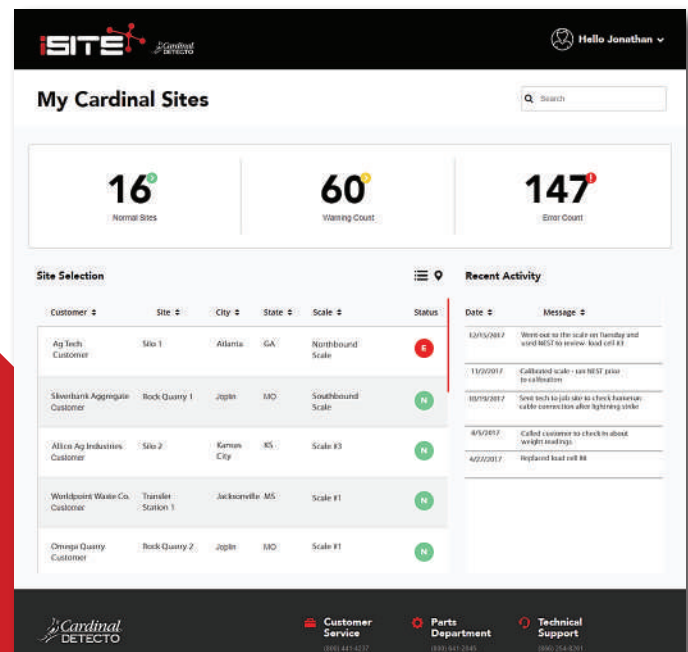
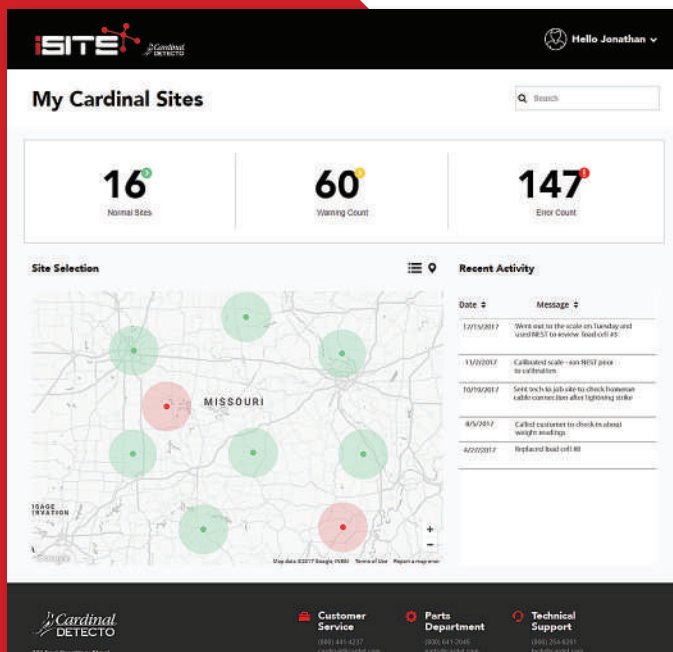


Cardinal Scale's DC series digital load cells prevent unwanted forces from affecting load cell performance. They are designed for easy installation and maintenance and ensure high accuracy for heavy-capacity weighing in vehicle scales or tank/hopper scales.

24/7 SCALE MONITORING CONVENIENCE WITH CARDINAL SCALE'S

iSITE For SmartCell® Digital Load Cells

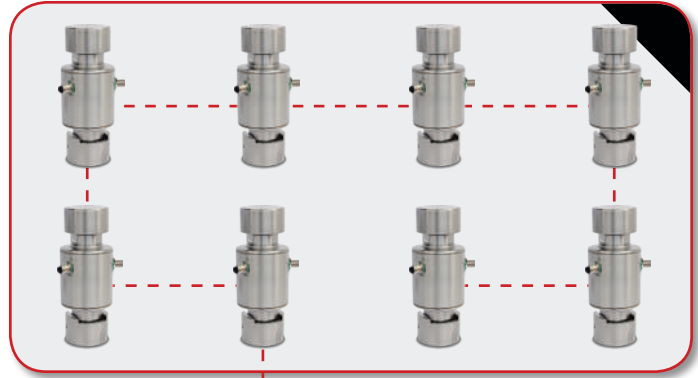
MINIMIZE DOWNTIME DUE TO ONBOARD
DIAGNOSTICS WITH E-MAIL/TEXT ALERTS



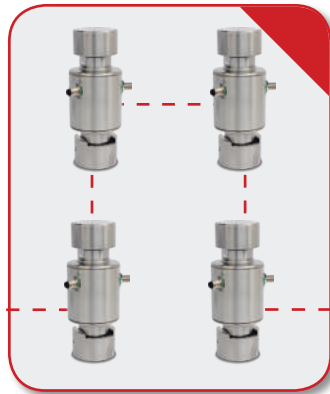
DIGITAL SOLUTIONS ALLOW CUSTOMERS TO PLAN FOR EXPANSION

THE DC SERIES SOLUTION CAN ADAPT AS YOUR PROJECT DEVELOPS

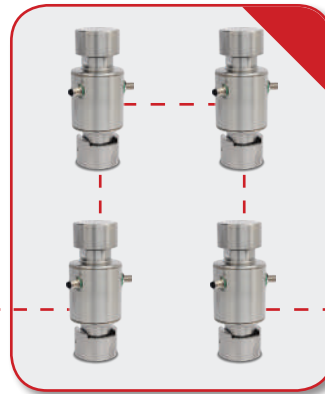
SmartCell® load cells are daisy-chained together, greatly easing cable runs



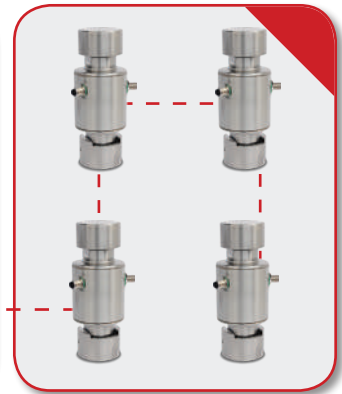
32 Load Cell Max Limit



Scale 1



Scale 2



Scale 3

ADVANTAGES OF DIGITAL LOAD CELLS

- SmartCell® installation set-up and maintenance is greatly simplified over older analog systems.
- Diagnostics are easy to perform, even for novice technicians new to the scale industry.
- The SmartCell® digital system detects and diagnoses faults and failures more quickly, efficiently, and precisely.
- Load cell level diagnostics allow for troubleshooting directly through Cardinal indicators.
- SmartCell® iSite diagnostic software sends cell failure notifications to scale technicians.
- Simplified wiring system and no junction box eliminates problems associated with traditional analog load cell systems.
- Scale productivity is increased due to expedited diagnosis.
- Costs associated with inspections are greatly reduced.
- SmartCell® issues can be diagnosed from a remote location.
- SmartCell® load cells offer the same industry-leading lightning protection that is featured in Cardinal weight indicators.
- Direct replacement for SCA load cells.
- SmartCell® stainless steel cell design ensures longer cell life and is IP69K rated against water.



Cardinal Scale's DC series kits provide all the electronics necessary for a digital truck scale, minus the weighbridge.

SMARTCELL[®]

DIGITAL LOAD CELLS



KEY FEATURES

- Supports up to 32 digital load cells – Providing wide flexibility for suitable applications
- Homerun cable uses standard cable and can be 300 meters in length – Enables flexibility with location of indicator
- Standard (load cell to load cell) cable lengths – 15 ft / 4.5 m, 27 ft / 8.2 m, and 37 ft / 11.2 m cable lengths available
- Ability to expand solution – Solution can adapt as your project develops
- Clear error messages – Reduce time to diagnose and rectify issues - reduces downtime
- DLC card is compatible with existing 225 or 825 series indicators – Ability to retrofit analog load cell solutions already in the market place

ON-SCREEN INDICATOR DIAGNOSTIC MENU EASES TROUBLESHOOTING



Cardinal Scale's 225D Navigator and 825D Spectrum indicators provide onscreen diagnostics for Cardinal digital load cells enabling scale technicians to see real-time errors such as unresponsive load cells, damaged analog sections, invalid set-up parameters, and it can also assist with board replacements.

MINIMUM AND MAXIMUM WEIGHTS (This can be zeroed as needed)

MAXIMUM / MINIMUM WEIGHTS		
1.	0.0/	-1.2
2.	0.0/	-1.0
3.	0.5/	-0.1
4.	1.4/	0.0
PREVIOUS NEXT EXIT		

LIVE LOAD CELL WEIGHTS

LOAD CELL WEIGHTS		
1.	54.9	
2.	26.5	
3.	25.9	
4.	67.3	
PREVIOUS NEXT EXIT		

LOAD CELL DAMAGED

NO WEIGHT		1b	CARD
-----		G	
REPLACE LOAD CELL 2			
ID	COUNT		

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

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