



NEST All-in-One Scale Diagnostic Toolkit

- Weatherproof, outdoor-grade rugged polycarbonate suitcase.
- Fast and powerful truck scale diagnostics.
- Wi-Fi standard for connectivity with free NEST mobile app.
- Helpful for all technician levels from new hires to experienced veterans.
- NEST plugs directly into the trim board of a Cardinal junction box.
- Quick Start Guide decal inside suitcase.
- Provides home run cable and weight indicator diagnostics.
- USA-made quality and technical support.
- Free mobile app is available for Android® and Apple® devices.



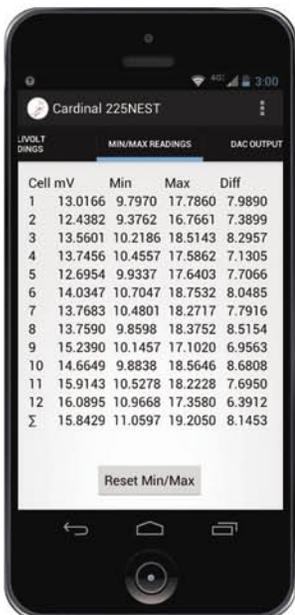
Fast and Powerful Truck Scale Diagnostics

Cardinal Scale's USA-made NEST provides fast, accurate, and ultra-portable truck scale diagnostics. Quickly view individual load cell readings and check the home run cable and weight indicator diagnostics. NEST plugs directly into the trim board of a Cardinal truck scale universal section seal trim box and displays millivolts and pounds readings for up to 12 load cells and the reading from the junction box summing circuitry.

FREE MOBILE APP

The NEST toolkit includes Wi-Fi standard for wireless connectivity with the **FREE** NEST mobile app.

Download the app directly from Google Play for Android® and the App Store for Apple® devices.



Unique to the weighing industry, NEST provides a service technician the toolkit to see where a scale's potential issues may exist within seconds. Utilizing Cardinal's 225 indicator, you can view up to 12 distinct load cell readings onscreen simultaneously, which allows you to quickly and easily scan for anomalies that need further investigation. NEST allows you to view the diagnostics in your choice of millivolts or pounds. There are three display modes: signals display, minimum-maximum display, and signals minus zero reference display.

Operating on rechargeable battery power for easy portability, there are just four simple questions during NEST's lightning-fast set-up. It will default at start-up to assume the load cells have a rated capacity of 75,000 pounds and a rated output of 2 mV/V.

The beneficial functionality of NEST may be retrofit to any competitor's truck scale by replacing the existing junction box with a new Cardinal section seal trim box, or the circuit board itself on older Cardinal trim boxes (replacement items listed on back page).

SG	mV	SG	mV	SG	mV	PWR
1	0.4352	6	0.6253			15.49
2	0.5464	7	0.3256			
3	-0.8235	8	0.7120	T	0.5022	
4	0.9156			EX	9.99 U	
5	1.3606					BOOST
0.270						
DAC		MODE		CELLS		

NEST provides millivolt readouts for all load cells to be able to quickly visually scan for errant readings.

SG	lb	SG	lb	SG	lb	PWR
1	2780	6	2540			15.55
2	2460	7	1440			
3	9660	8	2880	T	4020	
4	5580			EX	9.99 U	
5	5340					
0.270						
DAC		MODE		CELLS		

Press UNITS for pounds readings on all load cells if you would prefer that display type instead.

SG	lb	MIN	MAX	MAX-MIN
1	2780	2780	2780	0
2	2440	2440	2440	0
3	9660	9660	9660	0
4	5600	5600	5600	0
5	5340	5340	5340	0
0.270				
DAC		MODE	CELLS	^SCROLL v

View the Minimum-Maximum values and you can press ZERO to check for fluctuating load cells.

SG	lb	DL	lb-DL
1	2780	1740	1040
2	2480	2140	340
3	9540	3420	6120
4	5680	4140	1540
5	5340	5200	140
0.270			
DAC		MODE	CELLS ^SCROLL v

The third NEST display type allows you to view pounds minus the dead load for further diagnostics.



NEST Toolkit Includes:

- Outdoor-grade, rugged black carrying case
- 225NEST indicator with rechargeable battery power
- Four cable connectors to home run cable, weight indicator, and load cells 1-6 and 7-12
- Wi-Fi antennae
- AC power cable to recharge battery
- Megohmmeter



MODELS

NEST	Network Enabled Scale Tool Complete Kit: Truck scale diagnostics toolkit with Wi-Fi and free mobile app. View individual load cell readings and check the home run cable and weight indicator diagnostics. Plugs directly into the trim board.
MEGOHMMETER	Megohmmeter for load cell diagnostics.

REPLACEMENT TRUCK SCALE JUNCTION BOXES

3502-D596-1A	8 load cell replacement stainless steel truck scale junction box – universal section seal trim box. Compatible with NEST.
3502-D596-0A	12 load cell replacement stainless steel truck scale junction box – universal section seal trim box. Compatible with NEST.

REPLACEMENT CIRCUIT BOARDS

3502-D588-1A	8 load cell replacement section seal board. Compatible with NEST.
3502-D588-0A	12 load cell replacement section seal board. Compatible with NEST.

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