



NATIONAL TYPE EVALUATION PROGRAM

# Certificate of Conformance

for Weighing and Measuring Devices

**For:**

Scale System Controller  
Model: WinVRS  
Version: 1.07 or Higher

**\*Submitted By: Contact Info. Updated: October 2010**

Cardinal Scale Manufacturing Co.  
203 East Daugherty  
Webb City, MO 64870  
Tel: 417-673-4631  
Fax: 417-673-5001  
Contact: Stephen Langford  
Email: [slangford@cardet.com](mailto:slangford@cardet.com)  
Web site: [www.cardinalscales.com](http://www.cardinalscales.com)

### Standard Features and Options

**Standard Features:**

- Primary Weight Indications and Motion Detection are Provided by the Compatible and Certified Indicating Element
- Weighmaster Ticket Printing System
- Weigh-in/Weigh-out Capability
- Vehicle, Customer, and Product ID
- Multiple Scale Interface with Scale Identification
- Gross/Tare/Net Weight Displays
- Stored Tare Capability
- Keyboard Tare Capability
- Common Tare Capability (version 1.07 or higher)

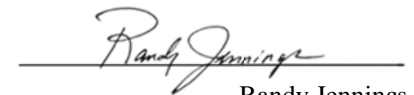
**Minimum System Requirements:**

- Computer and Monitor
- Alphanumeric Keyboard
- Printer and Mouse
- Operating system: Windows 98, 2000, NT 4.0, XP, ME
- Programming Language: C++
- Minimum Hardware: 2 GHz Pentium processor, 128 MB RAM / 30 GB hard disk drive CD Rom

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages. \*Editorial changes, not affecting the type or metrological content, corrected this certificate.



Tim Tyson  
Chairman, NCWM, Inc.



Randy Jennings  
Chairman, National Type Evaluation Program Committee  
Issued: October 19, 2010

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

The National Conference on Weights and Measures (NCWM) does not approve, recommend or endorse any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.



## Cardinal Scale Manufacturing Co.

Scale System Controller / WinVRS

**Application:** Scale system controller for use with certified and compatible indicating and weighing elements.

**Identification:** Identification information is obtained by accessing the "Help" menu and then selecting "About".

**Sealing:** The system requires no provision for sealing and is protected by a code retained by the manufacturer. Sealing of metrological parameters is provided by the certified and compatible indicating and weighing elements.

**Operation:** The controller is used primarily for weigh-in/weigh-out applications. The specific weighing elements in use are automatically identified on the weight ticket and on the operator's display. Inbound and outbound weights are identified by the time and date on the printed weight ticket. The system controller only accepts gross weights from the digital weight indicator. Stored tare weights are identified as "Stored Weight" and keyboard tare weights are identified as "Keyboard Weight" on the printed weight ticket. Manual gross weight entries are permitted when communication between the system controller and indicator are lost, to correct erroneous tickets, or for entering gross and/or tare weights from other weight tickets. All manual gross weights are identified as "Manual Weight" on the weight ticket.

**Test Conditions:** This Certificate supersedes Certificate of Conformance Number 05-029 and is issued to clarify information in the "For" Box on page 1 of this Certificate. No additional testing was deemed necessary. Previous test information is listed below as reference.

**Certificate of Conformance Number 05-029:** The Model WinVRS (Version 1.07) scale system controller was interfaced with two Cardinal Model 210 indicators (Certificate of Conformance Number 01-011), each connected to a load cell simulator. The emphasis of the evaluation was on operation, marking, printing format, and interaction with the digital weight indicators.

**Evaluated By:** K. Jones (CA)

**Type Evaluation Criteria Used:** NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2004. NCWM, Publication 14: Weighing Devices, 2004.

**Conclusion:** The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

**Information Reviewed By:** S. Patoray (NCWM), L. Bernetich (NCWM)

### Example of Device:

WinVRS Cardinal Scale Manufacturing Company

File Options Window Help

SUPERVISOR: Supervisor WinVRS Industries 10/05/006 14:10:27

77180 lb WinVRS

**Transaction**

|   |                          |                 |        |
|---|--------------------------|-----------------|--------|
| Vehicle ID: 2022                          | Tare Wt: 25460 lb        | Vehicle 2022    | Tran # |
| Trailer ID: TRL1                          | Trailer 1 Tare: 27420 lb |                 | 1      |
| Order ID: J21                             | I-89 Highway Overpass    | Gross: 77180 lb |        |
| Account ID: AL                            | AL's Concrete            | Tare: 52880 lb  |        |
| Material ID: GR                           | Gravel                   | Net: 24300 lb   |        |
| Destin. D:                                |                          | 12.15 t         |        |
| Comments: Thank You                       |                          | Charges:        |        |
| Trans Type: Account                       | Charge By: Weight        | Price: 12/tn    |        |
| <input type="checkbox"/> Inbound Material |                          | Net: 145.80     |        |
|   |                          | Tax: 98.20      |        |
|   |                          | Deliv.: 10.00   |        |
|   |                          | Total: 254.00   |        |

F1 Help 2 Menu 3 4 Exit 5 6 Ok 7 Units 8 9 Repr 10 Void 11 InPri 12 Lr

Model WinVRS