

**State of California**  
Department of Food and Agriculture  
Division of Measurement Standards

Certificate Number: 5348-03

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***California Type Evaluation Program***  
***Certificate of Approval***  
***for Weighing and Measuring Devices***

**For:**

Scale System Controller  
Digital Electronic  
Model: GraniteXpress 2 (GX2), Version 3.0.9

**Submitted by:**

Granite Rock Company  
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**Standard Features and Options**

Primary weight indications and motion detection are provided by the compatible and certified indicator  
Weigh-in/weigh-out system  
Non-weighed mode for manual weight entries  
Multiple scale interface  
Vehicle, customer, and product ID  
Weighmaster ticket printing  
Gross, tare, net display  
Pound, ton, metric conversions  
RS-232 communication port  
Smartpass RF tag reader (vehicle ID system)

Minimum system requirements: Computer display  
Alpha-numeric keyboard  
Single or network computer system

Operating system: Windows 2000, XP, or later versions  
Software application: MS Visual Basic language  
Hardware: Pentium III Processor 450 MHZ, 256 MB RAM, 5 MB hard drive

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: September 5, 2003



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Mike Cleary, Director

**GraniteRock Company**  
**Scale System Controller**  
**Model: GraniteXpress 2 (GX2), Version 3.0.9**

**Application:** Scale system controller for use with certified and compatible vehicle scales and indicators.

**Identification:** The identification information is continuously displayed on the program menu bar throughout the application.

**Sealing:** The scale system controller does not require provisions for sealing and is protected by a password that is retained by the manufacturer.

**Operation:** The system may operate as a single computer or networked to a server. The server is a storage repository for all data collected during normal operations. The weighing function consists of identifying the incoming vehicle by the Smartpass RF tag reader. The weigh-in and weigh-out functions operate by capturing the weight information from the indicator as vehicles enter and then exit the scale. The system tracks the gross and tare weights of each vehicle using the Smartpass vehicle ID number. The system then calculates the net weight and may issue a weight certificate.

**Test Conditions:** The emphasis of the evaluation was on device design, operation, interaction with the scale and indicator, receipt print format, and identification. The system was interfaced to a Fairbanks indicator Model R2500 and a Model HR2500 (Certificate of Approval Number 4276-96), and were interfaced to two Fairbanks vehicle scales (Model PLT 4500, Certificate of Approval Number 4411-96). Several weighmaster certificates were printed with the scale at gross load zero and near capacity.

Results of the evaluation indicate the device complies with applicable requirements.

**Type evaluation Criteria Used:** Title 4, California Code of Regulations, 2003 Edition

**Tested by:** S. Boyd (CA)