MSI9000

Spread Spectrum RF

Setup Exit Guide

MSI
Measurement Systems International™

A RICE LAKE WEIGHING SYSTEMS COMPANY

The following procedure MUST be performed to properly save and exit from the MSI-9000 CellScale setup / configuration menus when operated by version 5-20, or later MSI-9000 CellScale application software.

This procedure is to be performed after **ALL** calibration(s) and configuration(s) are complete. It also **MUST** be performed after any connection to a PC, even if no changes were made.

1). Perform all calibration & setup as required per application and exit to Main Menu. Select (**1**) **Channels / Calibration.**

```
---------- MSI 9000 - CellScale ----------
- (c) 2006 Measurement Systems International -
---------------------------------------------

16:57:52                        01/05/08

(1)   Channels/Calibration
(2)   Communications
(3)   Display
(4)   Feature Locks/Passwords
(5)   Product IDs
(6)   Set Points
(7)   System
(8)   About...

Enter choice :
```

2). Select (**2**) **Data backup**.

```
***** Channel Setup *****

(1)    Channel Calibration
(2)    Data backup
(3)    Filter (software)
(4)    Channel Scanlist functions
(5)    Motion Compensation
(6)    Motion Detection
(7)    Tare
(8)    Total
(9)    Units Lock
(a)    Zero
(b)    Standard Mode: Industry
(c)    4 to 20mA
(d)    Temperature Sensor Installed: No
(ESC)  Exit
```

3). Select (**b**) **Backup data NOW!**

```
***** Data Backup *****

(1)    Backup data after every cal:            Yes
(2)    Restore from ROM every power up:     No
(3)    Restore from ROM including Slave and Math loadcells:  Enabled
(b)    Backup data NOW!
(r)    Retrieve backup data NOW!
(ESC)  Exit
```

4). Select (**y**) **Store current data to ROM NOW!**

```
***** Data Backup to ROM *****

(y)    Store current data to ROM NOW!
(ESC)   Exit

Calibration data in long term storage
 will be over-written.

Only take this action if your scale is
currently calibrated and operating
normally.

Improper use of this action may result
 in the need to fully re-calibrate your
 system.

Press (y)   to take this action.
Press (ESC) to exit without changes.
```

5). Menu will indicate, Please Wait… momentarily and then revert to Main Menu.

```
----------  MSI 9000  -  CellScale  ----------
- (c) 2006 Measurement Systems International -
----------------------------------------------

16:57:52                      01/05/08

(1)    Channels/Calibration
(2)    Communications
(3)    Display
(4)    Feature Locks/Passwords
(5)    Product IDs
(6)    Set Points
(7)    System
(8)    About...

Enter choice :
```

6). Procedure is now complete. Disconnect comm. cable from scale.

Notes on terminal programs

There are several terminal programs available for every platform. Below are some notes on terminal programs that are used regularly at MSI for communicating with CellScale products.

TeraTermPro

Get from downloads.com or MSI can e-mail "ttermp23.zip"
After installing, start the program Start -> Programs -> TeraTermPro
Select "serial" and COM1 or whichever port being used (DO NOT SELECT TCP/IP) Hit OK
Set-up Serial port
> Port: COM1
> Baud Rate: 9600
> Data: 8 bits
> Parity: none
> Stop: 1 bit
> Flow Control: none

Hit OK May need to hit space bar to refresh display.

HyperTerminal

Comes with Windows Start -> Programs -> Accessories -> Communications -> HyperTerminal -> Hyperterm.exe
Name connection CSCom1 (any name is fine)
Under connect using:
> Direct to Com1 DO NOT TYPE PHONE NUMBER IN!
> Hit OK

Port Settings
> Baud Rate: 9600
> Data: 8 bits
> Parity: none
> Stop: 1 bit
> Flow Control: Hardware
> Hit OK

May need to press space bar to refresh the display When done, save session as you named it earlier and an icon will be created so you will not have to go through set-up in the future.

ProComm Plus

After installed: Programs Procomm Plus
Data Terminal Set-up – set-up bar is at the bottom of the screen. To change, click on the appropriate parameter and set to the following:
> Port: Direct connect-Com1
> Baud: 9600
> Parity-Data bits-Stop bits: N-8-1
> Hit 'r' key to refresh

Measurement Systems International™

A RICE LAKE WEIGHING SYSTEMS COMPANY