CHAPTER 6: CALIBRATION

6.1 CALIBRATION OVERVIEW

Your DCSG scale ships from the factory fully calibrated as a stand alone unit. If you are using the DCSG without a remote scale or the remote scale has been installed for you, then calibration is not necessary. In general, there is no need to calibrate the scale unless you feel that it has become inaccurate. It is a good idea to check the calibration of your scale from time to time with a precision test weight. Transcell recommends that you perform a new calibration on your digital scale at least once a year.

Note: If you wish to install the remote scale yourself - or you are a scale installer - then you must configure and calibrate the remote scale before it can be used. The remote scale's installation and wiring instructions are found in Appendix D. The Service Menu (Chapter 5) configures the scale to your remote weigh platform. Transcell recommends letting a professional install the remote scale unless you have previous experience in this field.

During calibration, up to four values are saved in the scale's memory – the zero value (deadweight) and up to three span values (test weights). If you are calibrating the local scale, see Table 6-1 for a listing of minimum and recommend test weights. In the unlikely event that either value is lost while in use, the Service menu makes provisions for re-entering these values. See Chapter 5 for more information.

6.2 CALIBRATION MENU

The local and remote scale calibration procedures are identical in function.

NOTE: Although the scale prompts for up to three test weight values, you need only one to successfully calibrate the scale. To use only one calibration point, simply enter a value of zero for the 2nd calibration point. The scale asks you to confirm the early exit. Press the Yes soft key to complete the calibration procedure.

1. Press the * key. The scale prompts for Service Menu or Supervisor Menu.

2. Press the Servic soft key. The scale prompts for a password.

3. Key-in the Service Menu password (336699). There is no need to press the ENT key. You are now in the Service Menu.

4. Select the Calbrt soft key. The scale displays more choices above the soft keys.

5. Select the Local soft key to calibrate the local scale or select the Remote soft key to calibrate the remote scale. The scale displays the message "*Remove all test weights then press the "ENTER key*".

6. Remove all items from the scale's platter then press the ENT key. The scale displays the message "*Input test weight in LBS (Cal Point 1)*". **Note:** If the scale is a metric scale, then the message reads "*Input test weight in KGS (Cal Point 1)*".

7. Use the numeric keys to key-in the test weight value you are using, then press the ENT key. The scale displays the message "*Put test weight on then press the ENTER key*".

8. Place the test weight(s) onto the scale's platter, then press the ENT key. The scale prompts for the next calibration test point. Repeat Steps 7 and 8 until all calibration test points are complete. The scale then reports the success or failure of the operation. If you encounter a failure, consult Appendix C for possible causes and remedies.

9. Press the CLR key once to resume normal operation.

MODEL	Capacity / Graduation	Minimum Test Weight	Recommended Test Weight
DCSG-12	12 x 0.0005 lb	0.12 lb	8 lb to 12 lb
DCSG-30	30 x 0.001 lb	0.3 lb	20 lb to 30 lb
DCSG-60	60 x 0.002 lb	0.6 lb	40 lb to 60 lb
DCSG-120	120 x 0.005 lb	1.2 lb	80 lb to 120 lb
DCSG-6M	6000 x 0.2 g	60 g	4 kg to 6 kg
DCSG-15M	15 x 0.0005 kg(0.5 g)	150 g	10 kg to 15 kg
DCSG-30M	30 x 0.001 kg (1 g)	300 g	20 kg to 30 kg
DCSG-60M	60 x 0.002 kg (2 g)	600 g	40 kg to 60 kg

TABLE 6-1: Minimum / Recommended Calibration Test Weights for Local Scale