ITEM 1

Full Hardware Calibration

You will require a calibration sample (part no. 1900-6352) provided by Sinar Technology, a calibrated (certified if necessary) temperature probe and sample loading Hopper.

Models: AP, G3, C6 and F6

1. Turn ON the instrument.

2. With the instrument empty of sample: Press and Hold Down the CAL/AUTO key. When the instrument says `CAL' enter the password, this is factory set to 123. Press P to enter the password once it has been entered.

3. Press and Hold Down the CAL/AUTO key. The instrument will say H.CAL (Hardware Calibration) after approximately 3 seconds.

4. Press and Hold down the AVERAGE key until the unit starts to take an empty reading - approximately 3 seconds. The unit will display `C1' when complete.

5. Using the sample loading Hopper, place calibration sample carefully into the measuring cell. Now enter the CODE 0 value of the sample as typed on the sample packet. Press the KG/HLW button to enter this value into the analyser's memory.

6. Place the temperature probe into the sample cell. Put it at the front of the cell near the black THERMISTOR BLOCK. Once the temperature reading has stabilised, enter the value into the instrument. Press the TEMP key once to enter the temperature into the unit's memory.

7. Press and hold the %H2O key until the unit starts to take a reading - you will hear it pulse. When the unit displays `C2' calibration is complete.

8. Check calibration by following procedures outlined in section III.

Model P25

1. Turn on Analyzer so it says `Hi'.

2. With the unit empty of sample, press the mode key once to go into MODE 1. Type 123 (the password) and press TEMP TWICE. You have now entered the password into the Analyzer.

3. Press and Hold the MODE key until you enter mode two. Mode two is the equivalent of H.CAL illustrated in the previous section. Once in this mode, follow the above procedure from section four.

Model FPA, FP and 6310 Grainpro

1. These units are simple to calibrate with all the actions prompted by the menu on the analyser.

2. To enter the Hardware Calibration Menu turn on the analyser and press the MODE key twice.

3. You will be asked to enter a password, which again is factory set at 123. Enter the password and press the ENTER key.

4. Toggle through the various modes until you reach the Hardware Calibration Menu. Press the CONTINUE key (F1) to enter this menu.

5. Press the RECAL key to perform full calibration and follow the on screen prompts. Remember to enter the CODE 0 value and temperature value of the calibration sample as outlined above in sections 5 and 6 - when prompted by the analyzer.

ITEM 2

SINAR Moisture Analyzer - Manufacturers Calibration Service

The Sinar Moisture Analyzer is designed to operate continuously in a laboratory production or field environment and is known for its rugged design and high quality workmanship. In order to protect your investment, insure accurate test results and extend the life of your instrument we offer our customers a Manufacturers Calibration Service.

INCLUDED IN THIS SERVICE:

Cleaning: Our trained manufacturing technician starts by cleaning the unit and Sample cell, making it look like new again. Once the unit is clean, our technician follows the same procedures that were use in performing a Quality Control check for a newly manufactured Sinar Moisture Analyzer

Weight Balance Check: The Weight Balance is cleaned and calibrated. Calibration consists of using a series of weights to check the accuracy of the built-in balance. This calibration insures that samples going into the Sinar Moisture Analyzer are weighed correctly and give accurate determinations.

Internal Software Check: The software operation checks the calibrations loaded onto your unit. Software check consists of connecting the unit to a computer and analyzing the internal calibration Information has not changed and is still reading correctly.

Temp-Cal Diagnostic Check: Once the Sinar is re-calibrated, the software is checked and the thermostat is tested for its functionality. This calibration insures that all the components and software are working together and the unit is performing like new.

Communication Port Check (where Available): The RS-232 port on the Sinar is the avenue for test results to enter into a computer or a printer. This check in our calibration process confirms that the communication port is operating correctly and the ability to print or export data is available and working correctly.

Essential Parts Replacement: The Sinar Moisture Analyzer has two replaceable parts that are critical to its operation. *What would a tune-up be if your spark plugs were't replaced?* The essential Sinar parts that we replace in this service are the power source and the brains of the unit- the newest version chip (where available). We also include a calibration check sample that can be used to determine the accuracy of the unit at any given time by yourself.

Certificate of Calibration: Once a Sinar has gone through the calibration service and is operating like new, we provide a Certificate of Calibration. The certificate outlines the procedures used to calibrate the unit and lists the detailed results of the calibration checks.

Calibration Service cost is $200.00. Due to the extensive testing and calibration procedures this complete service may not be applicable to some older model Sinar Moisture Analyzers.

Fast Turn-Around Service: To receive our fast turn-around service (48 hours from the Sinar arriving at our service facility to shipment back to you), please schedule an appointment. Unscheduled Calibrations may take up to ten business days.

Call our toll-free number, **800-458-2558** to schedule your Sinar Calibration Service. At that time we will give you a return authorization number and schedule your service appointment.

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