

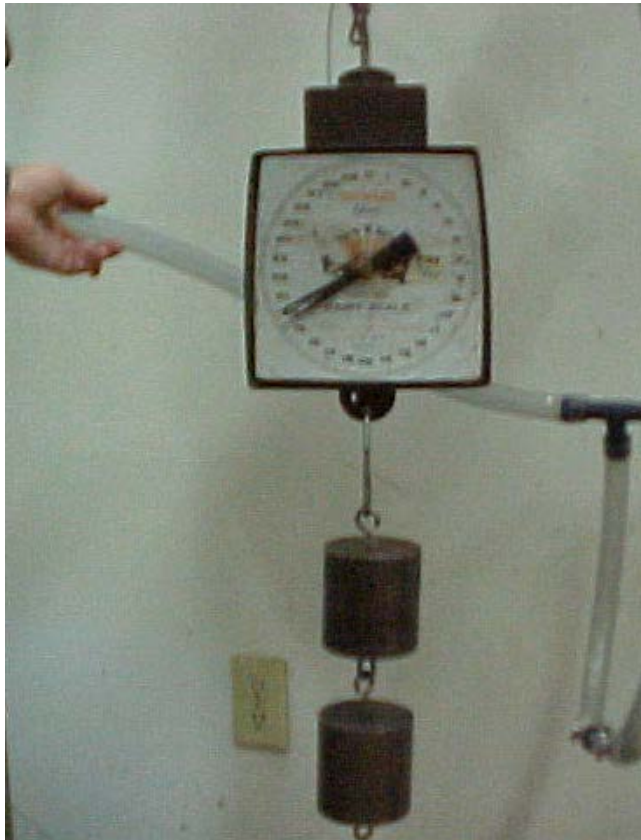
Calibration of Portable Scales

**2011 Meter Technician Training School
Springfield, MO**



**Steven J. Sievert, Manager
Quality Certification Services Inc.**

Scale Calibration Requirements



- ▶ All scales must be calibrated at least once every 12 months
- ▶ Calibrated to within 2% accuracy on single weight or 3% on two consecutive weights
- ▶ Data is reported to QCS as part of annual field service audit

Scale Calibration Requirements



- ▶ **Must calibrate at the following weights...**
 - **Dairy Cows**
 - **10, 20, 30, 40, 50 lbs.**
 - **Dairy Goats/Sheep**
 - **1, 2, 5, 10, 20 lbs**
- ▶ **Refer to chart in MTTTS Manual for acceptable weight readings**

Scale Calibration Requirements



- ▶ Every scale must have unique serial number
- ▶ Each scale must be marked with calibration tag/sticker
 - Month & Year
 - Meter Center/Technician

Scales Suitable for DHI Programs

Hanson Dairy Scale 600



- ▶ The old ‘standard’ for DHI milk weighing
- ▶ No longer manufactured
- ▶ Can reface the scale with new label
- ▶ Maintains calibration over the weight range

Chatillon MD-60



- ▶ Designed specifically for dairy applications
- ▶ Easy to read
- ▶ Heavy gauge steel construction, baked enamel finish
- ▶ Expensive purchase price but durable
- ▶ Easy to calibrate

Detecto MCS-60M



- ▶ **Designed specifically for dairy applications**
- ▶ **Accurate weighing at all levels**
- ▶ **Combination plastic and steel**
- ▶ **Expensive purchase price but durable**
- ▶ **Easy to calibrate**

Pelouze (Viking) 7800 and 7842



- ▶ Low-cost scale
- ▶ Metal construction, baked enamel finish
- ▶ Moderately durable, can lose calibration easy
- ▶ Does not like travel
- ▶ Marketed by some dairy supply places as replacement for the Hanson scale

Taylor 3460 and 3470



- ▶ Low-cost scale
- ▶ Combination plastic and thin steel
- ▶ NOT durable, loses calibration easy
- ▶ Does not like travel
- ▶ Treat as disposable – scale to send unsupervised or goat herds

Pelouze 7710 and 7750



- ▶ Digital scale with mid-range purchase price
- ▶ Durable construction
- ▶ Easy to carry in computer bag
- ▶ Accurate but not legal for trade
- ▶ Reads in pounds and ounces

Quality Certification Services Inc.

- Performance & Quality Standards

- Compliance Auditing of Providers

- Education, Training, & Development

A simple, yet vital mission....

Providing a reliable source of information to people interested in the U.S. dairy records industry.