For FieldPro™ SmartFeeder Calibration Procedure Using A Calibration Card

Have only trained and qualified persons install, operate, or service this unit. Call your distributor or the equipment manufacturer if you do not understand the directions. For WELDING SAFETY and EMF information, read Owner’s Manual.

1. Safety Symbol Definitions

- **DANGER!** – Indicates a hazardous situation which, if not avoided, will result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.

- **Indicates a hazardous situation which, if not avoided, could result in death or serious injury. The possible hazards are shown in the adjoining symbols or explained in the text.**

- **NOTICE** Indicates statements not related to personal injury.

- **Indicates special instructions.**

**CALIFORNIA PROPOSITION 65 WARNINGS**

Welding or cutting equipment produces fumes or gases which contain chemicals known to the State of California to cause birth defects and, in some cases, cancer. (California Health & Safety Code Section 25249.5 et seq.)

This product contains chemicals, including lead, known to the state of California to cause cancer, birth defects, or other reproductive harm. **Wash hands after use.**

2. Tools Needed

- DC ammeter (e.g. Fluke 337)

  *Meters must be calibrated.*
4. Power Source Calibration Procedure

1. Connect FieldPro SmartFeeder to welding power source.
2. Connect load bank to weld output terminals.
3. Set Load bank to 300 amps.
4. Clamp calibrated DC ammeter around output cable.
5. Attach calibrated DC voltmeter across work lead and output terminal at wire drive assembly.
6. Turn on power to the welding system.
7. Insert Calibration SD Card into memory card slot. Feeder display will read 'CAL'.
8. To turn on output, press 'IN USE' button. Unit should output approximately 300 amps (± 25 amps) at 32 volts. Unit displays will read output amps and voltage.

Output voltage must be close to 32 volts for wire feeder to calibrate properly. If voltage is not close to 32 volts, adjust the load bank.

9. Use '+' and '-' buttons on the wire feeder to adjust values in each display until they match the readings on the external meters.
10. When calibration is complete, turn off output by pressing the 'IN USE' button. Display will read 'CAL'.
11. Remove Calibration SD Card from memory slot.
12. Turn off welding system.
13. Remove external meters and load bank from welding system.