

Accu-Tab[®] WEG VFD Manual





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System Boot-Up







Red Light on means Remote
Green Light on means Local



Local – set hz. with  







Pump Rotation
Green light – Shows forward
DO NOT CHANGE!!

Password to make changes

1. Arrow Up  to **P000** to enter Password for adjustments.
2. Press Program  . A “0” will appear, meaning the key pad is locked.
3. Arrow Up  to change to “5” to unlock the key pad.
4. Press Program  to save. **P0000** will show again.
5. Press **????** to lock key pad????



Set minimum and maximum Output (Hz)

1. Arrow Up  to **P133** to set the minimum output.
2. Press Program  to display minimum Hz value.
3. Arrow Up/Down   to set the minimum output in Hz.
This value **MUST** be above **xx Hz**. to prevent over-heating of the motor. It also **MUST** be above the pump stall flow speed (deadhead). **This must be determined experimentally.**
4. Press Program  to save.
5. Arrow Up  to **P134** to set the maximum output.

6. Press Program **PROG** to display maximum Hz value.
7. Arrow Up/Down **▲ ▼** to set the maximum output in Hz. **Set to 61 Hz.**
8. Press Program **PROG** to save.



Example of Hz display.

To display actual Hz for operation

1. Arrow Down **▼** to **P002** to display actual Hz output, then Program **PROG** to display. Will be zero when no 4-20 mA input or system not operating.



To set the VFD to span the 4-20 input between the Min and Max Hz

1. Arrow Up/Down **▲ ▼** to P233.
2. Press Program **PROG** to display value. Factory default is "1".
3. Arrow Down **▼** to change to "0".
4. Press Program **PROG** to save.

Initial Set-Up – Completed at factory when mounted on a system

A new VFD will need to have this completed before operation, and/or if a new pump is installed.

1. Parameter P220 – set value to “1” for always remote.
2. Parameter P222 – set value to “1” for Frequency location reference.
3. Parameter P235 – set value to “1” for 4-20 mA input.

Obtain the following information from the pump motor data plate and input the value.

4. Parameter P399 – Rated Motor Efficiency
5. Parameter P400 – Rated Motor Voltage
6. Parameter P401 – Rated Motor FLA
7. Parameter P402 – Rated Motor Speed
8. Parameter P403 – Rated Motor Frequency
9. Parameter P404 – Rated Motor Hp

0 = 0.16 HP / 0.12 kW
1 = 0.25 HP / 0.18 kW
2 = 0.33 HP / 0.25 kW
3 = 0.50 HP / 0.37 kW
4 = 0.75 HP / 0.55 kW
5 = 1 HP / 0.75 kW
6 = 1.5 HP / 1.1 kW
7 = 2 HP / 1.5 kW
8 = 3 HP / 2.2 kW
9 = 4 HP / 3.0 kW
10 = 5 HP / 3.7 kW
11 = 5.5 HP / 4.0 kW
12 = 6 HP / 4.5 kW
13 = 7.5 HP / 5.5 kW
14 = 10 HP / 7.5 kW
15 = 12.5 HP / 9.2 kW
16 = 15 HP / 11.2 kW
17 = 20 HP / 15.0 kW

10. Parameter P407 – Rated Motor Power Factor