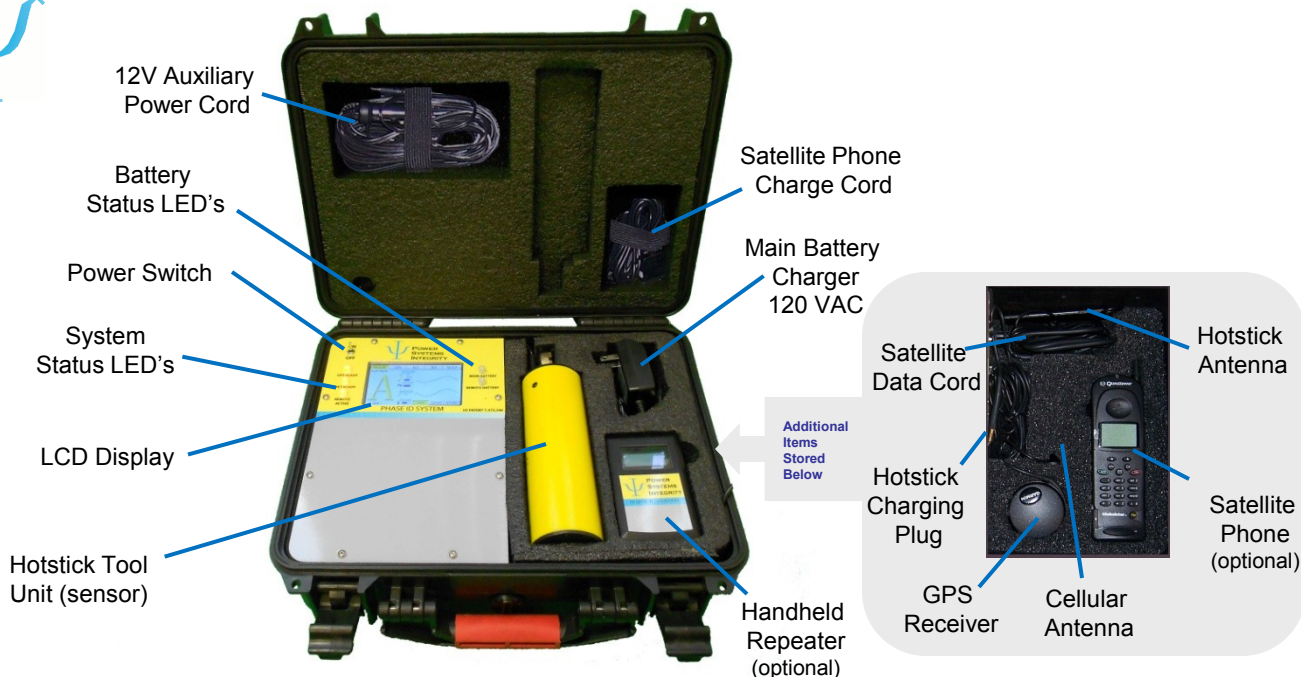
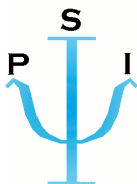


PHASE ID 6000 QUICK START CARD



POWER SYSTEMS INTEGRITY, INC., 100 OTIS STREET, NORTHBOROUGH, MA

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System Setup and Usage

➤ Switch Power On.

- During start up, System Status LED's blink.
- The GPS automatically acquires a signal. When this is complete, the GPS Ready LED turns on steady.
- The Cellular Modem automatically starts up and connects to the reference. When this is complete, the Network Ready LED turns on steady.
- When the GPS Ready and Network Ready LED's turn on steady the system is ready for use.
- **Follow all Company Rules, Regulations, Policies and Instructions when in the presence of voltage.**

➤ Unplug Hotstick Unit from its charging cable to turn it on.

- The **orange** LED on the Hotstick Unit will blink, indicating the Hotstick Unit is looking for a 60Hz signal.
- Using your hotstick, Touch the Hotstick Unit to the cable to be phased. The **orange** LED on the Hotstick Unit will turn on steady indicating that 60Hz is being sensed.
- The cable's phase is displayed on the left hand window of the LCD panel. When no phase can be computed, the last measured phase is shown with a strikethrough.
- The phase in degrees is also shown below the Phase Letter.
- When finished, plug the Hotstick Unit charging cable back into the Hotstick Unit to turn it off.

Touch LCD Tabs

➤ Change LCD pages by pressing the tab buttons located along the top of the LCD screen.

- The default page or "Phase ID" tab page is divided into Left, Middle, and Right windows. The Left window shows the phase letter or number being measured along with the reading in degrees. Above the Phase letter is the Wye Shift indicator. The Middle window shows the System Status. The Right window displays one of these views:

- 1) Oscilloscope view of Hotstick and Reference Signals.
- 2) Phasor Diagram view
- 3) Wye Shift Selection option

- Touching the "GPS" tab will display the units GPS info.
- Touching the "NET" tab will display the network info for the Field Unit in use.

- Touching the "REF" tab will display the information for the Reference Unit that the Field Unit is currently connected to.

- Touching the "SETUP" tab will allow the user to enter or alter any user configurable data.

Battery Charging and Power

Main Battery:

The Main Battery is a sealed lead-acid battery. It is charged by using either the 120V Wall Charger or the 12V Charging & Power Cord. The unit may be operated while charging. For best performance, charge the Main Battery after each use.

Hotstick Unit Battery:

The Hotstick Unit Battery is a Ni-Cd. It is charged automatically when its charging cable is plugged in and either the Main Battery is being charged or the unit is switched on.

System Status LED's

GPS Ready LED: (Also see LCD 'GPS' tab)

- Off - no GPS data available
- On - GPS information ready for use.

Network Ready LED: (Also see LCD 'NET' tab)

- Off - Network connection not yet operating.
- Flashing - Network operating, server not on-line yet.
- On - Network operating and server on-line.

Remote Active LED:

- Off - No signals received from Hotstick Unit.
- Flashing - Radio signal but no 60Hz signal received.
- On - Radio signal and 60Hz signal being received.

Battery Status LED's

Main Battery LED:

- Off - Main Battery Charge OK.
- Green** - Main Battery Fully Charged.
- Blue** - Main Battery charging.
- Red**, Steady - Main Battery Low (1 Hour left)
- Red**, Flashing - Main Battery Very Low (20 min. left)

Remote Battery LED:

- Note: Hotstick Unit MUST be connected to charging cable for this LED to light.
- Off - Hotstick Unit not plugged in.
- Blue** - Hotstick Unit Charging.
- Green** - Hotstick Unit Fully Charged.

Hotstick Unit LED's

Orange LED:

- Off, charging cable plugged in - Charging or Off.
- Off, charging cable not plugged in - battery dead.
- Flashing - On, but no 60Hz Signal.
- Steady On - On, 60Hz signal present.

Red LED:

- Flashing - 60 Hz Signal Over-Range
- Steady - Battery Low

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