

The Flagship 3-Ø

Check Meter with Remote Communications

- ▲ Power from any voltage with optional cable, 120-480 VAC range without factory re-configuration
- ▲ Each CT is reversible and has a 1 - 600 Amp measurement range
- ▲ Measure services up to 832 VAC between phases
- ▲ Measurement data transmitted via internal cellular phone or VHF radio
- ▲ Can be used on all 1-Ø and 3-Ø services up to 480 Volts



Now you need only one unit to measure all your 3-Ø Delta or Wye services - from your office or cellular phone!



H.J. Arnett Industries, L.L.C. - Innovative Instruments for Utilities & Industry
visit us at www.arnettindustries.com

20460 SW Avery Court Tualitan, OR 97062 Phone (503) 692-4600 Fax (503) 692-4661

The Flagship 3-Ø

Check Meter with Remote Communications

Leading the way in 3-Ø monitoring...

...powerful and user friendly!

H.J. Arnett Industries, L.L.C. now adds *The Flagship 3-Ø* to its line of testing and monitoring equipment designed specifically for revenue recovery. Unique feature of the new unit saves agents and utilities time and money in gathering 3-Ø and 1-Ø KW-H, Amp and Peak Amp readings via cellular phone or VHF radio.

Universal Voltage Design

The Flagship 3-Ø can be powered from any voltage in the 90-480 VAC range without a factory re-calibration or re-configuration. Now you can measure *all* your 1-Ø and 3-Ø services up to 480 VAC phase to neutral with one check meter. Fewer units to buy and maintain without factory intervention means an improved bottom line.

Unique Current Measurement Range

The 1 to 600 Amp current measurement range for *each* of the three CTs on *The Flagship 3-Ø* is a new feature that insures measurement accuracy to meet ANSI C.12.1 standard. The units accuracy across its increased current measurement range provides hard data to stand up in court.

Control of Communications Options

The enclosure of *The Flagship 3-Ø* accommodates either a cellular phone or a VHF radio for communicating data. No need for any extra equipment. Just return to the factory for a quick and simple change.

The Flagship 3-Ø has Resetable and Non-resetable KWH Readings, Amps Meter Reading, Peak Amps Meter Reading, automatic Investigation Begun/Completed figures, and Auto-Phasing CTs (patented) which allows user to clip current transformers over service wires in either direction plus user's ability to monitor a variety of services and easily change communication devices for specific sites. That's not all. *The Flagship 3-Ø* is designed for a future upgrade to allow Demand Metering. This feature can be programmed for your utility's billing requirements, and will be downloadable via a data modem option.

Specifications

Output Infrared LED on Enclosure: 1 pulse per 1 Watt-Hour accumulated from all CTs

From synthesized speech

(via phone or DTMF keypad-equipped VHF radio)

- Menu Recital
- Date
- Serial Number
- Time of Day
- Repeat Last Reading
- Software Version
- Hang Up/Good-bye
- Temperature (internal enclosure temperature)
- Begin Investigation: save and time-stamp the KWH and Amps meters; resets Peak Amps and resetable KWH meters to 0
- End Investigation: save, time-stamp KWH, resetable KWH, Amps, and Peak Amps meters
- Instantaneous Amps
- KWH
- Resetable KWH
- Peak Amps, with date and time
- Clear, Resetable KWH
- Clear Peak Amps

From computer terminal

(with required accessory Communication Package)

- 16 commands from synthesized speech (listed above) available via computer terminal with the addition of SET ID (SETID), Set Time (SETIME), Set Radio Answer Code (SETRAC), Set Date Format (DATEFORMAT), and Investigation Display (INV DISPLAY)

Voltage	Cable (A)	120-240 input cable, 108-262 VAC from Flagship Line A to Neutral. 832 VAC maximum between phases A, B, and C. Hot lines fused at 1 A, type KTK-R-1
	Cable (B)	240-480 input cable, 216-528 VAC from Flagship Line A to Neutral 832 VAC maximum between phases A, B, and C. Hot lines fused at 1 A, type KTK-R-1
Current		1 to 600 Amps (1 PF), 15 to 600 Amps (.707PF) for each CT
Accuracy		± 2% or better at rated voltage and currents listed above. Meets or exceeds ANSI C.12.1 1992 Revenue Metering Accuracy Standard
Environment		-35°C to +55°C operating with cellular phone -30°C to +60°C operating with VHF radio -55°C to +65°C non-operating 0 to 95% relative humidity, non-condensing
Dimensions		Enclosure 9.44" x 6.29" x 4.72"
Weight		12.75 lbs. 22 lbs. shipping weight with 120-240 and 240-480 voltage cables and bags included

The Flagship 3-Ø Options...

Flagship 3-Ø, w/cellular phone HJA-660-P
Flagship 3-Ø w/VHF radio HJA-660-RF

Required Accessory to Download Flagship Data to Computer Communication Package HJA-600-55

Includes: RS232 Computer cable and power transformer; DB9 serial plug adapter; terminal software for Windows™

...and Accessories

Optional Accessories

Flagship 3-Ø VAC Power Cable HJA-660-240-480
For powering from 240-480 VAC

External Antenna and 20' Cable HJA-600-40

DTMF Transceiver HJA-600- DTMF
Handheld VHF radio with dual tone multiple frequency keypad for communication with Flagship 3-Ø with internal VHF radio

To order, or for more information, contact us today. Phone (503) 692-4600 Fax (503) 692-4661