

# ARPI Display Modules

## Maximizing Your RPI Performance



### Product Overview

The ARPI Display Modules are today's answer to the old edgewise panel meter provided by Westinghouse. The original panel meters have a history that has proven them to be inaccurate and unreliable. Hurst Technologies is pleased to present an improved modern meter design to be used in the place of the old Westinghouse designs.

Hurst Technologies offers updated ARPI Display Modules to replace the older, inadequate panel meters. We have a display that is able to incorporate modern technology without requiring a total redesign of the existing installation.

### History

Understanding and dealing with the problems of the original Westinghouse edgewise panel meters was key in the development of the new ARPI Display Modules. Past problems with indicators; becoming sticky, susceptibility to drifting, static electricity, etc., lead to inaccurate readings. Meter readings that were non-linear did not properly reflect the original meter scales that were actually linear. Glare and parallax caused the meters to be difficult to accurately read.

Modifying, repairing or replacing any parts of the edgewise panel meters has always been a cumbersome, if not impossible, task to perform. In most cases, if one meter is in need of repair, the entire meter group must be disassembled. Parts for the old meters have become obsolete and often must be fabricated on site for the meter.

In an effort to combat these issues, Hurst Technologies offers the ARPI Display Modules. Prior to locating the AEP ARPI Display Module, Hurst Technologies reviewed commercially available panel meters in an effort to find a product that addressed these problem areas.

**HURST**  
TECHNOLOGIES

PO Box 1718 · Angleton, TX 77516 · Voice (979) 849-5068 · Fax (979) 849-6663

Email: [bobh@hursttech.com](mailto:bobh@hursttech.com) · Internet: <http://www.hurst-tech.com>

# ARPI Display Modules

## Product Benefits

- **Accurate Display**

*The integration of a modern meter design displays rod position using a one hundred element LED indicator that is electronically controlled.*

- **Card Type Display Units**

*Each display unit is its own independent module. Each unit has an external circuit board edge connector that plugs in easily to the housing's card cages. Repairs, replacements and modifications can be performed without having to mechanically alter the housing, interrupt service, or disturb the adjacent display.*

- **Existing Connector Compatible**

*There is no need to modify existing system indicator cables. The ARPI Display Module uses plugs compatible with the original housing.*

## Product Specifications

The ARPI Display Modules will directly replace existing displays. Following are the Display Module's product specifications and requirements:

- *One Hundred Step LED Display with integral power supply*
- *Unit includes compatible connectors for existing system indicator cables*
- *Seismic mounting system for attachment to panels (II over I Seismic)*
- *Individual Displays can be removed/replaced without service interruption*
- *Four, five, eight, and nine meter display modules available*
- *Housing contains integral 5 Vdc power supply*
- *Requires power source of 120 Vac to energize power supplies*

- **Easy Installation**

*No need to alter control panel fronts or steel. The ARPI Display Module can be easily adapted to meet housing requirements. The Display Module design includes four, eight and nine meter displays.*

- **Friendly Graphical Interface**

*Each display graphically depicts rod position in a linear fashion. Close up, rod position can be read within two rod steps. At a distance, the indicators can be easily scanned to determine rod positions. When rod bottom or overrange is reached, a corresponding LED indicator, separate from the linear gauge, illuminates.*

- **Replaceable Power Supply**

*Individual power supplies have been designed to be replaced quickly and easily for servicing.*

