



**Today, How You View  
Analog Panel Meters  
Will Change Forever**

**Introducing *ELumination*<sup>™</sup>  
High Brightness, Bulb-less,  
Uniform Meter Scale Lighting —**

# The Future of Illuminated Analog Panel

**H**oyt's patent-pending ELumination technology provides any Hoyt analog panel meter, including 1.5", with bright, even backlighting, without the hassles of incandescent bulbs. No hot spots, no shadowing, no heat. No bulbs to burn out and replace. No holes to drill or added mirrors. No more dark control panels. Just bright white, electro-luminescent (EL) light for a clearly visible scale with unmatched readability, functionality, and style. And, Hoyt panel meters with the new lighting technology installed

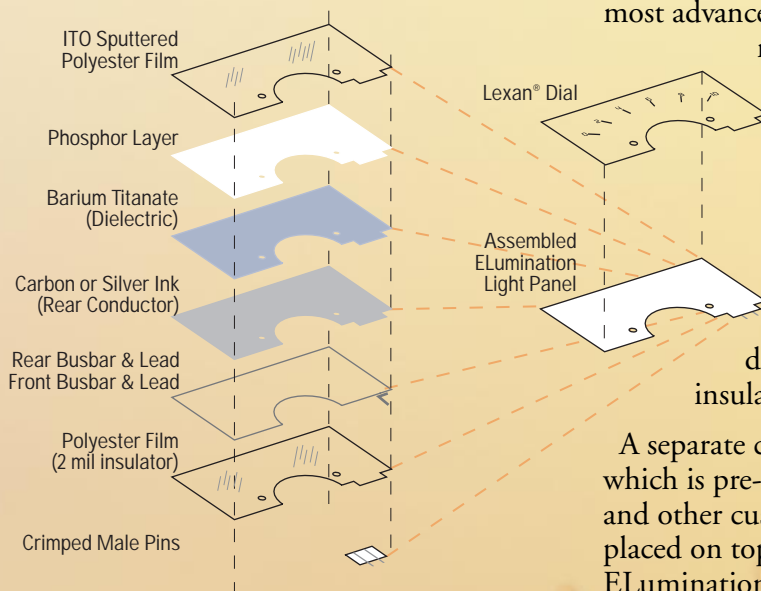
Hoyt Elumination features bright white, even backlighting with no hot spots or shadowing.



are completely compatible with existing applications!

**For existing applications**, you can easily retrofit the new Hoyt ELumination lighting technology into any Hoyt analog panel meter. Standard lighting kits are available for Hoyt 3100 and 5000 series meters; custom kits can be ordered for other style meters. Each kit

## Behind The Uniformly Illuminated Meter



**H**oyt's ELumination lighting kits feature state-of-the-art electroluminescent (EL) light panel technology. The ELumination light panel is comprised of five separate layers which combine to produce the most advanced EL light source, and therefore the most readable, evenly illuminated panel meters available. The first, or outer layer, is an ITO sputtered polyester film substrate, to which aluminum-oxide encapsulated phosphors and proprietary polymer chemistry are applied. A barium titanate dielectric is screen printed over the phosphor layer. A carbon or silver ink rear conductor is then screened over the dielectric layer. Finally, a polyester film insulator is applied over the rear conductor.

A separate clear or gel-colored Lexan® dial is supplied, which is pre-printed with the appropriate meter scale and other customer-required information. The dial is placed on top of the light panel to complete the ELumination lighting kit. The completed assembly is only 0.030" thick.

# Meters is Bright with Hoyt ELumination



Outdated incandescent lamp backlighting is uneven, with hot spots and shadows.

contains a precision diecut dial and lighting panel, and inverter power supply, which is powered by your existing lamp power source. The diecut panel is simply installed behind a new translucent scale plate and connected to the inverter power supply. **For new applications**, Hoyt panel meters can be ordered with the ELumination lighting package factory-installed.

Hoyt's ELumination lighting kits feature proprietary chemistries and micro-encapsulated phosphors which provide significant advantages over previous EL technologies. These include higher light output, extended life, resistance to moisture contamination, and higher overall performance. In addition, Hoyt ELumination provides vastly improved uniformity of lighting brightness and color for greater esthetic appeal.

ELumination – the future of panel meter illumination, available today, only from Hoyt!

## Lighting Kit Specifications

### Inverter Power Requirements

Input Voltage ..... 3 – 18 VDC  
 Input Current ..... 60 mA maximum

### Light Output

Color ..... White; standard others – optional  
 Intensity ..... 10 – 13 Ft-L

## ELumination Lighting Kit Ordering Information

### Hoyt Meter 3100 Series

Size .....	EL Light Kit Part Number
1 ½" .....	3115EL15
2 ½" .....	3125EL25
3 ½" .....	3135EL35
4 ½" .....	3145EL45

### Hoyt Meter 5000 Series

Size .....	EL Light Kit Part Number
2 ½" .....	5025EL25
3 ½" .....	5035EL35

Please contact the factory for custom ELumination lighting kits.



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877-798-7287

Elumination Light Kit components

