

V. Electronic Controllers and Indicators.

All-electronic indicating, alarm/control and annunciating instruments designed for superior visibility, accuracy and ease of installation.

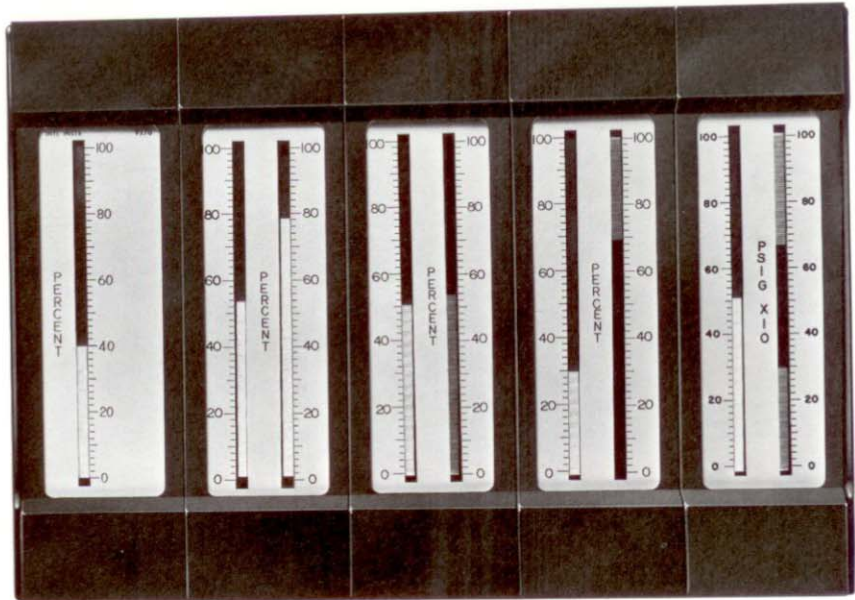


we deliver. analog. edgewise. rounds. squares. and more. on time.

Lumigraph™

INDICATING, ALARM/CONTROL, ANNUNCIATING METERS

- Display and Alarm circuitry independent of one another.
- Plug-in replaceability.
- Low power drain, noise immunity, cool running owing to C-MOS circuitry.
- High resolution, high accuracy.
- High $\pm 0.5\%$ resolution, accuracy of over $\pm 1.0\%$. High reliability.
- Optically-isolated inputs.
- Simplified, one-man installation with easy-locking swing-up catches.
- Front replaceable display and scales.
- Retransmission available.



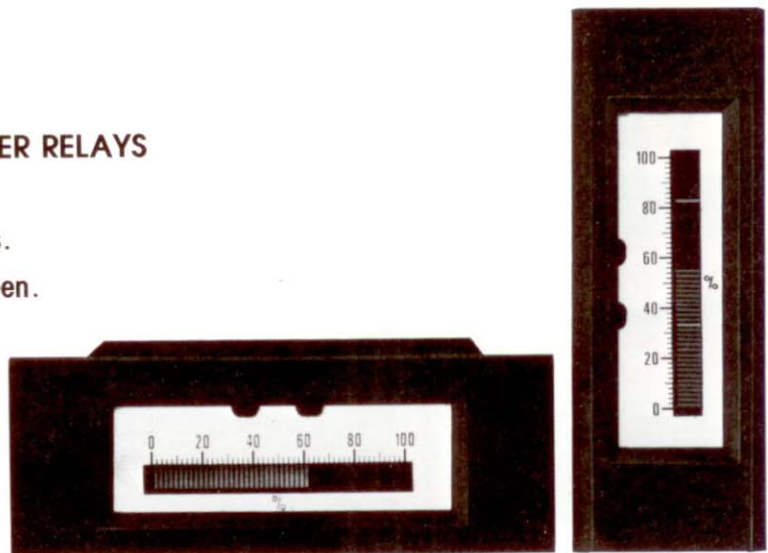
This 6-inch line-powered all-electronic instrument has a gas-discharge display comprising 203 closely spaced elements, each 0.150 inches wide. Measured variables appear as neon orange bars, alarm setpoints as bright red bars (flashing optional). Self-contained unit requires only signal and power input (120 VAC, 50/60Hz) for operation.

Retransmission option, not always available with competitive meters, permits user to get back a signal in engineering units proportional to the input signal. (e.g. If input is 0 to 1 mil, the user can display 0-1 mil in units of his choice, 4-20mA or whatever.)

Verigraph™

INDICATOR/CONTROLLER METERS AND METER RELAYS

- Brighter, more colorful vacuum fluorescent displays.
- Choice of colors — blue-green, yellow, blue or green.
- Up to 40% less costly than comparable D'Arsonval units.
- Available in two sizes — to serve as easy replacement for existing 3½-inch or 6-inch edgewise units.



Verigraph is an electronic bargraph with annunciating and control capability. It is designed in two sizes — to serve as easy replacement for either existing 3½-inch or 6-inch edgewise units. The vacuum fluorescent display — either 51 or 100 segments — is the brightest bargraph display available today. Standard colors are blue-green, yellow, blue or green.

Verigraph panel meters. These indicator-only models are designed for high visibility display of signal intensity. (Bargraph and moving-pointer versions are also available.) Most standard process signals can be displayed. Optional front-adjusted “memory bars,” with twice the brightness of the other segments of the graph can be set to mark desired signal strength.

Custom Meters and Meter Movements from the specialists in High-Performance Edgewise Technology

International Instruments mounts and calibrates meters in customer supplied bases, or mounts and ships movements in plastic containers for installation by the customer.

Exclusive cantilevered coil construction produces torque to weight ratios on the order of four times greater than conventional edgewise movements of similar size.

Single, through-pivot shaft, used instead of stub shafts attached to two sides of the coil, eliminates pivot

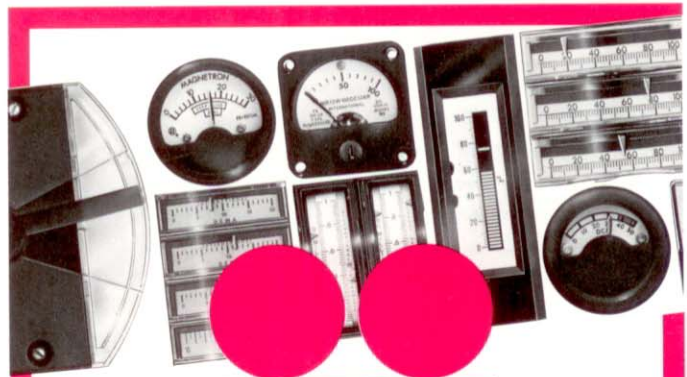


misalignment and helps maintain linearity and repeatability. Effective coil positioning permits longer pointer arms, special pointer shapes and even meter relay flags.

Dual and triple meter movements. Two or three movements can be mounted on a single base. Applications often require that two or three related signals be compared at a single control station, sometimes with the additional requirement that two of the units be tracked in unison. Difficult . . . but easily handled by **ii** movements.

Long pointer movements. Permit shorter reading arcs. Previously discussed cantilevered coil construction allows flatter edgewise presentation and reduces reading errors near scale extremities.

Custom control alarm systems. International Instruments is recognized as a leader in control and alarm instrumentation. Many of the control packages designed around customers' specialized requirements include solid-state devices, with or without meters.



Who we are . . .

International Instruments, the world's leading manufacturer of edgewise panel meters, was founded in 1947 with the purpose of developing a series of analog instruments that realized the full potential of the flat, stackable, compact edgewise style of meter.

Today we offer a complete edgewise family of panel meters, alarm/control devices and electronic display instruments, supplemented by a special line of ruggedized miniature meters and the innovative Flat-Pak® line of "space-saver" meters.

ii has been a member of the Prime Technology group of companies since 1984. Applications assistance is immediately available from the factory or a comprehensive network of distributors, representatives and agents strategically located throughout the world.

For further information . . .

For further detail on products, options or special orders, or for additional mechanical data and engineering drawings, call and ask for Customer Service:

(203) 481-5721

If it is more convenient, you may also contact **ii** through the following TWX and FAX numbers. You may also write to the address listed beneath our signature.

TWX: 710-452-3092
FAX: 203-481-8937

Product Data Bulletins available from **ii**

Order by Bulletin Number:

- I** — Edgewise Meters: Standard Models.
- II** — Edgewise Meters: Single/Dual Models.
- III** — Edgewise Meters: Mil. Spec. Models.
- IV** — Edgewise Meters: Alarm/Control Models.
- V** — Electronic Controllers and Indicators.
- VI** — Square & Rounds (Ruggedized/Mil.)
- VII** — Flat-Pak® Meters.
- VIII** — Full Line (Short Form) Catalog.



INTERNATIONAL INSTRUMENTS

A Prime Technology Company