

Next Generation Instrumentation

Fleet-Proven Reliability



A METEK Dixon's fully digital NGI multiplexed instrumentation system incorporates the very latest in technology and manufacturing techniques. The result is a reliable, expandable system ready for use in any vehicular or fixed-location application.

The highly modular NGI System was designed with future adaptability in mind. Pointer, dial, and bezel design allows simple and inexpensive cosmetic changes or updates. Internal construction and parts common to all gauges minimize costs, while daisy-chain cable links combine with shallow-depth cases to minimize behind-dash space requirements. Gauges and modules are connected to and controlled by a system control unit built into the speedometer to minimize load on the vehicle data bus.

Gauges feature light-piped, life-of-vehicle LED backlighting, tip-to-hub illuminated pointers, 270° pointer deflection, and easy-to-read graphics. Pointers are driven by precision stepper-motors, long known for their durability and accuracy. Red warning LEDs in each gauge reduce the number of dedicated telltales. Bright orange pointers and white-on-black graphics are standard; other schemes are available. English, NAFTA, and metric scales, with or without subscales are available upon request. The gauges mount into standard 2-, 3-, and 5-inch cutouts. Self-calibrating and self-testing, the NGI System is completely maintenance-free.

Standard Features...

- Reliable, accurate, stepper-motor pointer drive
- 100% digital for reliable operation
- Locking, polarized, plug-in connectors
- Shallow-depth cases reduce space requirements
- White-on-black graphics (black-on-white optional)
- Six-function alphanumeric LC display with built-in alert transducer
- Accepts J1708, J1939 (CAN), analog, and logic inputs
- Gauge-mounted warning LEDs with black dead-fronts
- LED backlighting and tip-to-hub illuminated orange pointers
- Multiple input light bar
- Choice of black (shown), bright chrome, or satin chrome bezels

Typical Modules

- Speedometer (3- and 5-inch)
- Tachometer (2-, 3-, and 5-inch)
- Electric and mechanical air pressure gauges
- Temperature gauges for water and oil
- Fuel level, voltmeter, and ammeter gauges
- Multi-gauges (2-in-1, 3-in-1, 4-in-1)
- Light bar (16 telltales standard)