APOGEE LABS

AL520
UNIVERSAL INDICATOR DISPLAY

FEATURES

- User Programmable LCD Display
- 6 Display Pages with Up to 6 gauges per page
- Stores six display pages in non-volatile memory
- Accepts 12 Analog signal inputs
- Accepts 12 Serial RS-232 inputs
- Accepts 12 Gigabit Ethernet inputs
- Widely separated keys for operation control
- Serial RS-232 programming interface
- Optional GUI software package
- Operates on 18-36 VDC power

OVERVIEW

The AL520 Universal Display has many unique characteristics associated with it. With up to 12 analog inputs, any gauge with the exception of the Totalizer can be driven by these signals. The AL520 contains six setup configurations (pages) which are selected via pushbuttons. The AL520 has a screen resolution of 480(h) x 640(v) pixels, updates at a rate of 50 frames per second and is sunlight readable. With 8 colors provided, the AL520 has a contrast ratio of 600:1, a viewing angle of >60 degrees and LED based backlight.

Gauge types include 320 degree arc (1x & 2x sizes), Half arc (160 degree, left and right side; 1x & 2x sizes), Horizontal and Vertical Bars (1x & 2x sizes), Accumulator/Counter (1x size only), Tether Hover (X-Y plot of 2 inputs with 3rd input shown as digital value; 1x size only). Other gauge types available - consult factory for details.

MECHANICAL
- Overall dimension of 5.75" x 7"
- Mountable in standard 5" wide Dzus rails
- Less than 10 pounds

ENVIRONMENTAL
- Temperature: -30°C to 70°C operating
- Humidity: 95% non-condensing
- Altitude: 0 to 70,000 feet
- Shock 20 G's half sine, 11ms, 6 shocks min any axis
- Vibration random 15G-rms, 20Hz to 20,000Hz, 10 minute duration any axis
- EMI MIL-STD-461C Compliant
- Operational in any orientation

ELECTRICAL
- Input Power: +18VDC to 36VDC
- Power Consumption: 56 watts maximum
- Power Interruption: Resumes operation within 5 seconds of reapplication of power
- Connector: MIL-C-38999 compatible

DISPLAY CHARACTERISTICS
- 30 updates per second minimum
- Sunlight readable
- Minimum dot format 640 x 480
- LED Backlight
- 600:1 Contrast Ratio
- 700 cd/m2 luminance
- Viewing angle +/- 80 vertical, -60/80 Horizontal
- 16 Brightness increments