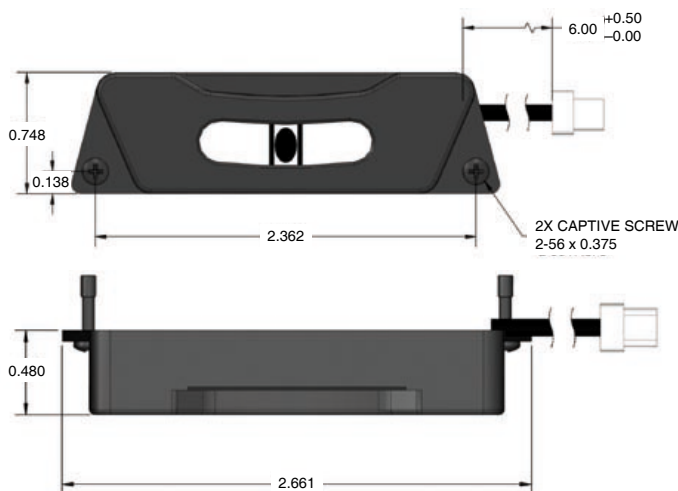


Solid State Inclinometer (Electronic Slip Ball)

Providing an adaptable design, the Solid State Inclinometer displays multiple slip ball positions in simulators, AMLCD avionic displays, and other navigation applications. The inclinometer is microprocessor-based, allowing the CPU to position the slip ball display icon. The unit is designed to meet user-specific applications in simulation, flight hardware, and special applications, and is easily adaptable to customers' mounting requirements. It is also available in a variety of display illumination colors, including night vision compatibility (NVIS).

Across a variety of requirements, Interface can tailor a design solution that's right for most avionic applications.



General Data	
Part Number	14800-02
Voltage	0–10 V DC (LCD)
Lamps	0–5 V DC (LED/Incandescent)
Response Time	400 milliseconds (0° to 85°)
Cooling	Natural convection
Connector	8-pin circular
Display Activation	Microprocessor
Electro-Optical	
Display Type	Dichroic / FM LCD (reflective)
Display Configuration	Slip ball
Display Mode	Normally white
Active Segments	Chromaticity X = 0.474, Y = 0.429
Intensity Controllable	1–5 foot lamberts
Viewing Angles	±60° horizontal (optimum)
Contrast	25:1 in high ambient
Environmental	
Operating Temperature	-10°C to +55°C
Storage Temperature	-20°C to +80°C
Humidity	95% non-condensing
Altitude	45,000 feet
Vibration	Per MIL-STD-810E Notice 2, Methods 5.4.4
Shock	6 Gs
EMI/EMC	Per MIL-STD-461 Class A
MTBF	>20,000 hours (excluding back light)
Options	
Color (Illuminated)	Red, white, NVIS
Extended Temperature	-55°C to +85°C with heater element
Cooling	Forced air

