

**Elweco, Inc**

**Hallpot® angle sensors for  
SEVERE ENVIRONMENT  
and special applications**

These configurations of Hallpot® angle sensors are for severe environments. They are modified to each user's specifications as to size, environment, signal response, mounting style, and geometry. They are not stocked as standard items but some are in stock as over-runs from production. These may be obtained as samples when available. Various configurations contain journal or ball bearings, basic or amplified signal, English or Metric geometry, and modifications to the electrical connections.



**Severe Environment**

for direct immersion into ----

Crude-oil and natural gas pipelines, Saltwater. They are completely enclosed and sealed.

These versions may be submerged directly into hostile fluid environments. Allowable pressure ranges are atmosphere to 1,200 psi and temperatures of -40 to +85 degrees C.



**Severe Shock**

For ATDs, (Automobile Test Dummies), Military Vehicle Controls, Weapons System Controls,

Primary application for these versions are in applications where large short-duration shocks may occur. They maintain accurate signal response throughout the duration of the shocks such that no displacement information is lost.



**Dirty Environments**

For applications where dirt, mud, water, oil, snow and other airborne contaminants are present. They are completely enclosed

Typical Applications are on vehicle suspension systems, steering linkages, throttle position and control. They may be used where splashing occurs but normally should not be immersed for long periods of time.



**Manual Input**

Use in Joysticks and single axis controls on industrial vehicles and equipment and for manual input devices in control panels.

These are industrial control devices for equipment that need long life and significant reliability. They tolerate severe shock and vibration. Their signals do not respond to shocks from vehicles or equipment. Sizes are small.

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