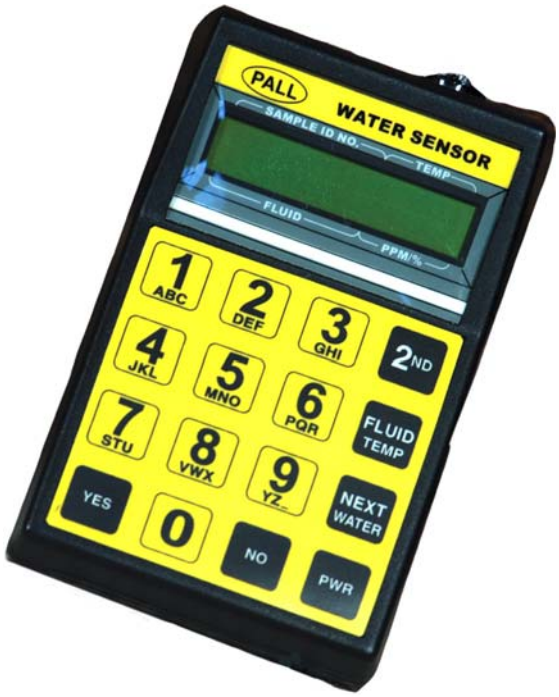
Dissolved Water Sensor

FEATURES

- **Capacitive Sensing Technology**
- **Measures Dissolved Water Content**
- **in Non-conductive Fluids (% Saturation)**
- **Permanent Installation or Dipstick Models**
- **Aircraft & Military Vehicle Applications**
- **Battery Operated**
- **RS232 Interface Port**



The Dissolved Water Sensor (DWS) was initially developed by Pall Aeropower for the detection and measurement of the total dissolved water content in hydraulic, lubrication, transmission and electronic cooling system fluids. The initial design was further refined by SSI Technology, followed by development of the manufacturing, test and qualification capability.

The DWS consists of a display unit and a probe. There are three versions of the probe: “In-system”, “Bottle” and “Dip-stick”. The display is a portable hand-held device that can be used interchangeably with any of the three probes. The “In-system” Probe is designed for installation into any fluid system to be monitored for fluid content. The “Bottle” Probe is a portable device that is used when the fluid sample has already been taken for measurement of dissolved water content. The “Dipstick” Probe provides a method of evaluating fluid systems which do not allow for permanent installation of an “In-system” Probe.

The Display is battery operated and has the storage capability for twenty different non-conductive test fluids, including fluid identification numbers. The characteristics for these or other fluids are pre-programmed into the Display memory for recall by the user.

1235 Spartan Drive, Madison Heights, MI 48071 ■www.ssi-tek.com
248-582-0600 ■ FAX 248-545-8826 ■ email marketing@ssi-tek.com

SSi TECHNOLOGY, INC.
Innovative Electronic Solutions

Sensor Specifications

- **Fluid Compatibility**
  - **Petroleum**
  - **Synthetic Oils**
- **Fluid Types**
  - **Hydraulic**
  - **Lubricating**
  - **Dielectric**
  - **Fuels**
- **Accuracy: +/- 2 %**
- **Operation Temperature Range: 0°F to 185°F**

The Markets We Serve

SSi TECHNOLOGY, INC.
1235 Spartan Drive, Madison Heights, MI 48071 ■www.ssi-tek.com
248-582-0600 ■ FAX 248-545-8826 ■ email marketing@ssi-tek.com