

Still using mercury-in-glass thermometers ? Here are eight reasons to replace them with the STOLAB PL SYSTEM :

- **Safety.** Glass thermometers break and spilled mercury, even in small amounts, is a serious contaminant. Even the broken glass is a potential cause of injury. Proper disposal of the broken thermometer is expensive. There is no such risk with STOLAB's temperature sensors.
- **Health.** Reading a mercury thermometer which is immersed in a hot fluid requires being very close to that fluid, possibly breathing toxic fumes. Ethylene Glycol baths are a very good example. This risk is eliminated by the STOLAB PL SYSTEM.
- **Accuracy and range.** A typical glass thermometer with 0.1°C resolution has a range of 30°C, and is difficult to read accurately to 0.1°C. The STOLAB PL SYSTEM has a range of almost ten times that (-85°C to +200°C); the PL SYSTEM's Model 921 A PL-F/C Digital Thermometer displays the sensor temperature to 0.1°C (or 0.1°F) resolution and the display is legible from at least 20 feet, in any illumination, at a wide angle. Reading errors are eliminated.
- **Convenience.** The PL SYSTEM components (sensors, sensor switch boxes, and display units) can be located where needed, are interchangeable, easily interconnected, delivered complete, and are factory calibrated. Conversion between °C and °F is done by flipping a switch.
- **The temperature readings can be recorded and/or used for control.** All PL SYSTEM electronics have a factory calibrated analog voltage output which can be used for recording, data logging, and as an input for temperature controllers.
- **Calibration.** The calibration of the PL SYSTEM electronics is easily checked (and, if necessary, reset) with the STOCAL PL-100C Calibrator without removing the units from their normal location. The sensors are extremely stable, rugged, and interchangeable, which makes it easy to verify their characteristics as needed.
- **Correction factors are eliminated.** The displayed reading is the correct temperature, there is no need to apply any correction factors, thereby eliminating this source of possible error.
- **Cost.** The PL SYSTEM costs less than cleaning up one bad mercury contamination. It has a proven record of reliability and longevity in industrial use: many systems have been in use over 25 years, and continue to perform within specifications. The system pays for itself quickly in improved measurement accuracy, operator efficiency, and reduction of risk.

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