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12 Sample Vacuum Stability Test Device - Pressure Transducer Version

Designed to meet NATO Stannag 4556 Edition 1, Procedure 2. This system is capable of being expanded to test more samples by adding components to the existing system. This device eliminates the use of the toxic substance mercury.

- 12 Sample System consists of the following components:
- Electrically heated Aluminum Block with a two RTD's
- Block housing including insulation to minimize temperature gradients.
- Digital temperature controller with auto tune and ramping features.
Capable of controlling temperature to: $\pm .2^{\circ} \text{C}$.
- Glass sample tubes capable of being fitted to transducers that allows a free volume of $25 \text{ cm}^3 \pm 2 \text{ cm}^3$.
- Pressure transducers capable of detection of volume variations of $\pm .02 \text{ cm}^3$, per NATO specs
- PLC data collection system capable of:
 1. Acquiring and recording pressure
 2. Interfaces with temperature controller for data feedback
 3. User friendly graphical LCD display
 4. Log PLC data to Excel according to a date/time-based schedule or pull data manually to view current parameter status.
 5. Connection to allow data downloading to customer computer system or laptop
 7. Free Standing NEMA 4 Industrial Control Console

Heat Controller



PLC Console

