

# TELEDYNE HASTINGS INSTRUMENTS

## APPLICATION NOTES

**Goal:** Vacuum Monitoring for DNA Sequencing

**Solution:** Teledyne Hastings HPM-2002 Dual Vacuum Sensor



The standard practice for DNA sequencing reactions is purification by ethanol precipitation.

Since this method is both time consuming and tedious, a new process utilizing vacuum technology monitored by Teledyne Hastings HPM-2002 Dual Vacuum Sensor is being employed to integrate and automate DNA separation. This new method is faster and reduces possible

contamination of DNA cultures. Compared to ethanol precipitation, DNA sequencing reactions by DNA fluorescent sequencing commonly done with dye-labeled terminators are much more expensive than vacuum assisted sequencing. With the HPM-2002 digital communication and wide range gauge features, DNA sequencing setups are significantly more efficient.