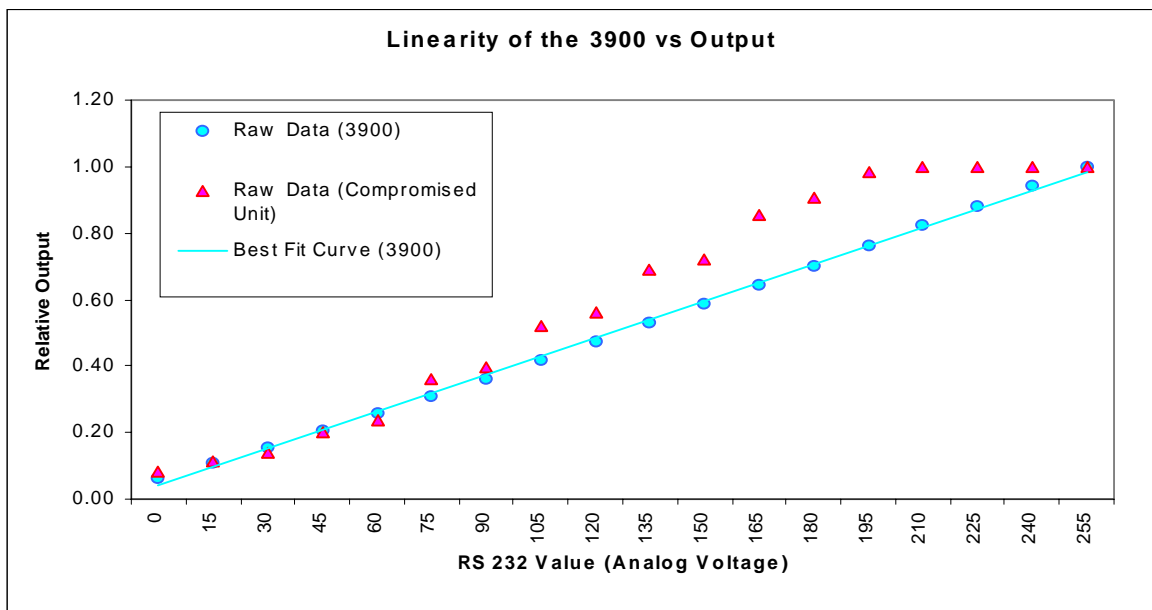


# Technical Note: **109**

**Q**uestion: Will the 3900's performance be compromised in a dirty environment?

**A**nswer: Operation in environments where there are large levels of debris or vapor in the air will compromise stability, linearity, and lamp life leading to system failure. When the 3900 is exposed to these conditions, dust and dirt deposits form on the internal components of the unit. These deposits disrupt our exclusive **Light-Lock™** circuitry causing the 3900 to operate outside of design specifications.



**S**olution: **Rugged-Lite™** Model 3900N12, Which has all the benefits of the 3900 in a robust NEMA12 (IP 65) enclosure. Cooling is provided by reliable, maintenance free, air/air heat exchanger - no compressed air required. This is the ideal solution for vision applications in severe industrial environments. This eliminates the unscheduled downtime caused by the presence of dirt, debris and vapors. Also available in a NEMA4 (IP67) configuration for splash resistant applications.