

ILT2400 Operating Tips

Issue: Low readings observed during integrated measurements

Cause: Sample time set to Auto

Explanation. When Integrate is used, the meter must be able to accurately auto-range from the zero level to the measurement level and obtain the first reading in less than one second. If auto is used and a dark zero is applied the meter will be applying additional averaging at the low level and may take a few seconds to auto range causing a low reading during the first few samples.

Solution 1. After covering the sensor and applying a dark zero, Wait 2-3 seconds while exposing the sensor to the light source, or until an accurate light level reading is displayed. Then press integrate.

Solution 2. Set the Sample Time to .10 or .25s to allow the auto range feature to quickly scale up from the lowest range to the correct measurement range quickly and still allow an accurate reading within 1 second of a zero.