

ROCIS Low-Cost Monitoring Project

Equipment Summary & Features

DYLOS 1700

AIR QUALITY MONITOR (3 per kit)



- ✓ According to the Dylos literature, it measures particles above 0.5 microns “Dylos small particle count” & above 2.5 microns “Dylos large particle count.” Particles are measured in microns (μm), by count. *NOTE: Human hair is 60-70 μm in diameter.*
- ✓ The scale (on back of monitor) “excellent to poor” only relates to the small particle scale
- ✓ Stores 1 week of 1-minute averaged data before overwriting it
- ✓ Can run on battery for short period (~2 hours)
- ✓ Manual view (toggle through “mode” button) can provide minute average counts for the past 60 minutes, the hourly average counts for the past 24 hours or the daily average counts for the past 30 days
- ✓ Detailed operating instructions are on the green handout

For more info: <http://www.dylosproducts.com/dc1700.html>

AIRTHINGS DIGITAL RADON

MONITOR Model: Corentium Home (2 per kit)



- ✓ Provides 1-day, 7-day, & long-term average radon levels (1-day and 7 day reading switches back & forth)
- ✓ Measures radon concentration in pico-Curie’s per Liter (pCi/L)
- ✓ No data logging or downloading option
- ✓ When you use it initially, press the reset dimple on the top back of the monitor. It will not provide a reading until enough time has passed; the 7-day reading shows up after 7 days
- ✓ We recommend not moving for the 3-week duration; reset data only if you change location

For more info: <http://www.airthings.com/home>

CO MONITOR Experts

Model 2015 (1 per kit)



- ✓ Monitors low level carbon monoxide (CO) down to 7 parts per million (ppm)
- ✓ Conventional US residential CO alarms do NOT measure levels of CO below 60 ppm
- ✓ No data logging or downloading option
- ✓ Can view CO levels over time to identify the incident
- ✓ Ideally the CO monitor should read “0” at all times
- ✓ Sources of CO are combustion appliances (space & water heaters, dryers, cook stoves, wood stoves, & fireplaces), indoor smoking, & vehicles in attached garages

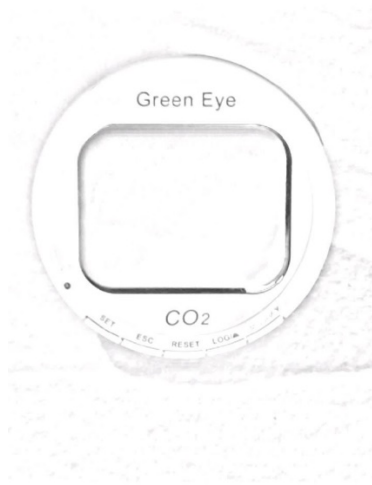
For more info: <https://www.trutechtools.com/>

<http://coexperts.ca/product/model-2016/>

ROCIS Low-Cost Monitoring Project

CO₂ MONITOR

TIM12 Datalogging Meter

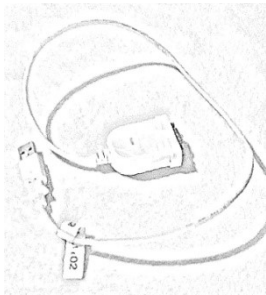


- ✓ CO₂ is an indication of the ventilation rate & occupancy of a building
- ✓ CO₂ levels will vary with occupancy – CO₂ goes up when more people are present
- ✓ This CO₂ monitor stores CO₂, temperature, & RH; (1 month @ 15-minute resolution)
- ✓ Note: some settings can be lost when monitor is unplugged for an extended period
- ✓ Confirm your monitor shows the correct date & time stamp, & that "rec" is visible on the screen
- ✓ Detailed set-up instructions are provided on the yellow CO₂ handout

For more information:

<https://www.co2meter.com/collections/indoor-air-quality/products/tim10-desktop-co2-temp-humidity-monitor>

Trendnet cord



- ✓ Used for Dylos downloading
- ✓ Instructions are specific to either Windows or Mac operating systems
- ✓ Refer to Dylos handouts for additional information
- ✓ Restart your computer after installing drivers (before downloading your dylos for the first time)

1 Foot Extension Cord



- ✓ Used when space at an outlet is congested – In particular with the Dylos or CO₂ plug (transformer)