CO$_2$ / RH / Temperature
CO / O$_2$ / Wet bulb
Selection guide

ECEFast NZ Ltd®

Hand held meters

Model	LU-GCH-2018	LU-AQ9901SD	LU-MCH-383SD
Measured Parameters	Four values: CO$_2$, Temperature, Humidity and Dew point which is calculated automatically from Humidity/Temp value	Six values: CO2, CO, O$_2$, Temperature, Humidity and Dew point; Dew point and wet bulb values are calculated automatically from Humidity/Temp value	Three values: CO$_2$, Temperature, Humidity
Number of probes	Two (CO$_2$/Temp) & (Humidity/Temp) At a time, only one probe can be connected to the meter	Four CO$_2$/Temp probe CO/Temp probe O$_2$/Temp probe and Humidity/Temp probe All 4 probes can be connected at the same time	One CO$_2$ probe
Display	CO$_2$ / Temp or Humidity/Temp. Any one of the two pairs	One parameter at a time together with temperature	CO$_2$/Humidity/Temp, all three values at the same time
Range CO$_2$ Temperature Humidity Dew point temp Wet bulb temp CO O$_2$	0 … 4,000 ppm 0 … 50°C 10% … 95% -25.3°C … 48.9°C	0 … 4,000 ppm 0 … 50°C 5% … 95% -25.3°C … 48.9°C -21.6°C … 50.0°C 0 … 1,000 ppm 0 … 30%	0 … 4,000 ppm 0 … 50°C 10% … 95%
Data logging	No	Yes 3 probe's data can be recorded simultaneously. (%RH/CO$_2$/O$_2$/Temp) or (%RH/CO$_2$/CO/Temp)	Yes
Power supply	Either 6 x 1.5V AA battery or through the power adapter (AC/DC 9V)	Either 6 x 1.5V AA battery or through the power adapter (AC/DC 9V)	Through the power adapter (AC/DC 9V)

Please note: While using CO2 sensor it is advisable to use the power adapter as the power consumption is approximately DC 136.5mA compared to Humidity sensor which is DC 10.5 mA

CO$_2$ guideline for different environment like office work place, home, school, hotel, public area, indoor swimming is ≤ 1,000 ppm. The minimum temperature acceptable for the working environment is 18°C.
RH level below 50% is ideal and will help to prevent dust, mould, condensation etc.,