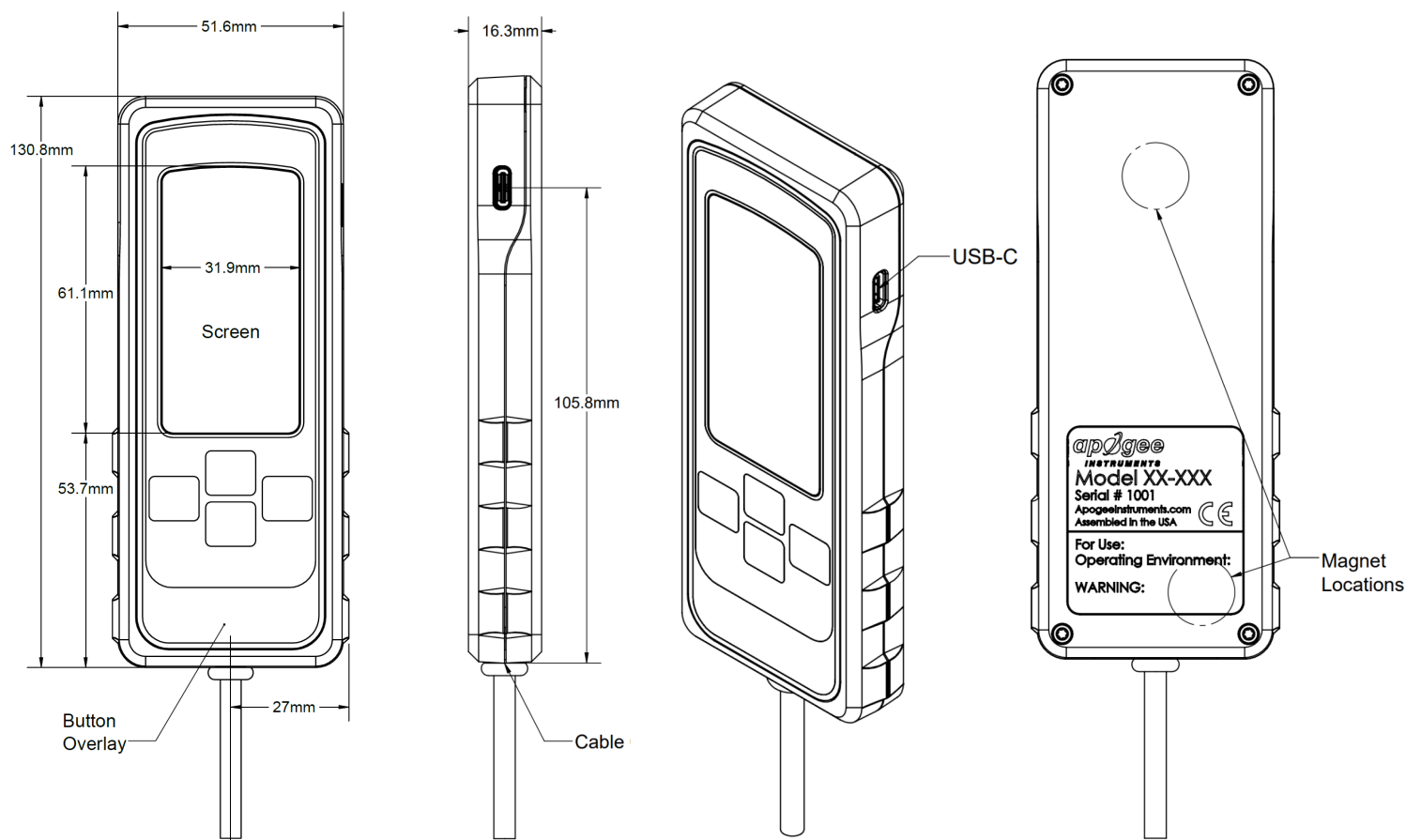


Specifications

	HO-200	HP-200	HQ-500	HU-200	HU-300
Measurement Range	0 to 30% O ₂	0 to 2,000 W m ⁻²	0 - 4,000 μmol/m ² s	0 to 100 Watts m ⁻²	0 to 50 UV Index
Calibration Uncertainty	—	< 3% at 1000 W m ⁻²	± 5%	± 5%	± 5%
Uncertainty in Daily Total	—	< 5%	< 5%	< 5%	< 5%
Long-term Drift	—	<2% per year	< 2% per year	< 2% per year	< 2% per year
Non-linearity	< 1%	< 1%	< 1% (up to 4,000 μmol m ⁻² s ⁻¹)	< 1%	< 1%
Field of View	—	180°			
Directional Response	—	± 5% at 75° zenith angle			
Azimuth & Tilt Error	—	—	< 0.5%		
Spectral Range	—	360 to 1120 nm (wavelengths where response is 10% of maximum)	389 to 692 nm ± 5 nm (wavelengths where response is greater than 50% of maximum)	305 to 390 nm ± 5 nm (wavelengths where response is greater than 50% of maximum)	270 to 315 nm (wavelengths where response is greater than 50% of maximum)
Spectral Selectivity	—	—	< 10% from 412 to 682 nm ± 5 nm		
Sample Memory Capacity	100 data points				
Log Memory Capacity	Over 1 month of saved 5-minute averages before the oldest log is overwritten				
Temperature Response		-0.04 ± 0.04% C	-0.11 ± 0.04% °C ⁻¹	< 0.1% per °C	< 0.1% per °C
Sensor Response Time	14 s*	< 1 ms	< 1 ms	< 1 ms	< 1 ms
Display Response Time	0.5 s				
Display	360 x 184 pixel e-paper				
Operating Environment	60 to 140 kPa; < 90% non-condensing RH up to 30 C; < 70% non-condensing RH 30 to 50 C; temperature must be ≥ -20 C to make measurements.	0 to 50 °C; 0-90% non-condensing relative humidity up to 30 °C; < 70% non-condensing relative humidity from 30 to 50 °C;	0 to 50 °C; 0-90% RH (Non-condensing humidity)		
Meter IP Rating	IP53				
Sensor IP Rating	Sensor is submergable, but only operates properly when gaseous diffusion is possible.	Can be submerged in water up to depths of 30 m	IP68		
Battery	Rechargeable lithium ion battery; Battery Life: 30+ hours of continuous use, 3 months of battery life when logging, and 3+ years in standby mode				
Data Transfer & Charging	USB-C port and standard USB-C cable				
Meter Dimensions	130.8 mm length; 54.1 mm width; 16.3 mm depth				
Sensor Dimensions	68 mm length, 32 mm diameter				616.4 mm length, 13.6 mm height, 16.5 mm width
Mass	204 g	161 g	174 g	161 g	161 g
Detector	Galvanic cell measuring gaseous O ₂	Silicon photodiode	Enhanced silicon photodiode	UV sensitive photodiode	UV sensitive photodiode
ISO 9060:2018	—	Class C	—	—	—
Cable	2 m of 2-conductor, shielded, twisted-pair wire; additional cable customization available; TPR jacket (high water resistance, high UV stability, flexibility in cold conditions)				
Warranty	4 years against defects in materials and workmanship				



Features

E-Paper Screen

The display utilizes e-paper technology, which mimics the experience of reading physical print by reflecting ambient light instead of emitting its own light. This allows the screen to be readable in bright lighting and at a wide viewing angle. E-paper also allows for a long battery life as it only uses power when the image changes.

Onboard Storage

The meter can store up to 100 samples at a time, which is ideal for spot-checking or field work. It also can store up to a month's worth of 5-minute averages in data logging mode. The meter will continue collecting data according to the selected logging settings while in sleep mode.

Customizable Settings

Customize the screen timeout length, calibration settings, active modes, and the averaging interval. The various meters are also built with settings and information specific to the sensor type (such as DLI data or calculating the barometric pressure based on elevation).

Standard USB-C Port

One cable can be used to recharge the battery, download the stored data logs, and update the firmware yourself. Simply plug the meter into a computer and access its files through the built-in USB navigation—no additional software needed.

Intuitive User Interface

On-screen explanations and straightforward menus keep navigation simple. Info like battery percentage and icons showing current meter modes are displayed at the top of the screen.

