

The sphere is a wireless, rechargeable multisensor unit designed for stationary monitoring of devices and environments. Whether freestanding or mounted with a wall-mounting system, the sphere captures precise measurements of temperature, humidity, pressure, brightness, and motion. The collected data is securely encrypted and continuously transmitted to the essentim Cloud around the clock.



**Article Number:** 1SPH1ES0001  
**Dimensions:** 66 x 66 x 23 mm  
**Weight:** 80 g  
**Lifetime (battery):** 5 years

**Specifications:**

 Temperature	-10 – 58 °C (typ. ± 0.3 °C)
 Humidity	0 – 100 % rH (typ. ± 2 %)
 Atmospheric pressure	300 – 1100 hPa (typ. ± 1.0 hPa)
 Brightness	0 – 100 %
 Movement	motion / no motion

- Performance Highlights:**
- Plug & Play 24/7 Lab Monitoring
  - Wireless, rechargeable multi-sensor unit
  - 5 internal standard parameters for stationary device and environmental monitoring
  - expandable through Plug & Play extensions

**Battery:** Rechargeable LiPo-Battery, normal online time with one connected pt100 extension over 6 months for standard operating conditions

**Operating Conditions:** -10 °C to +58 °C, 0 % to 95 % rH non condensing

**Certified:** EU, UK, North America  
RoHS compliant

**Accessories:** Power Supply  
Mounting kit