

Specifications

Model	Compass Core	Compass Pro	Compass Pro IS
Size	3.0" (77mm) X 1.4" (35mm) x .9" (23mm)		
Weight	0.95 oz (27g)		1.02 oz (29g)
Enclosure	Rated IP-67 Flame Retardant: UL recognition 94 V-0 at 1.5 mm Electric Strength (IEC 60243-1): 34kV/mm Electric Volume Resistivity (IEC 60093): 1.0E+14 ohms-m		
Power System	Rechargeable Lithium-Polymer (LiPo) Battery (3.7V, 250mAh). Full charge can last 6 days (48+ hours). Battery life varies depending on the number of alerts.		Rechargeable Lithium-ion Battery (3.7V, 85mAh). Full charge can last 2 days (16+ hours). Battery life varies depending on the number of alerts.
Operating Conditions	Operation: -20°C to 60°C (-4°F to 140°F)		Operation: -20°C to 50°C (-4°F to 122°F)
Charging	Typically charges to 100% in 1.5 hrs. USB minimum 5V, 0.5A		
Charging Conditions	Charging: 0°C to 45°C (32°F to 113°F)		
Detection Frequency	50 Hz and 60 Hz options available		
Voltage Detection Ranges	Medium: 2.4kVAC 34.5kVAC	Low: 120VAC - 2.4kVAC Medium: 2.4kVAC 34.5kVAC High: 34kVAC - 500kVAC <i>Selectable via the safeguard equipment app</i>	
Voltage Detection Sensitivity	Two sensitivity levels (6 & 11) <i>Selectable via the safeguard equipment app</i>	Eleven sensitivity levels + Smart Adaptive mode + Alert Disable	Eleven sensitivity levels + Smart Adaptive mode + Alert Disable <i>Note: Compass Pro IS does not have Low Range settings 8, 9, 10, and 11.</i>
Voltage Detection Directional Accuracy	Point source: Approximately ±20°		
Current Detection	One sensitivity level (11)	Eleven sensitivity levels + Smart Adaptive mode + Alert Disable	
Impact Detection	Impacts above 190g		
Fall Detection	Falls greater than 6ft (1.8m)		
Arc Flash Detection	Minimum of 4 Cal/cm2 with +/- 45 degrees viewing angle.		
EMC	FCC Part 15B Class B: ICES-003 Issue 7 FCC Part 15C: IC RSS-GEN Directive 2014/53/EU (Radio Equipment Directive (RED)), EN 300 328 V2.2.2, EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.6		
Safety	ANSI/ISEA Z89.1-2014 - Class E Hard Hat, Full Brim, Type 1; Tested Accessory		ANSI/ISEA Z89.1-2014 - Class E Hard Hat, Full Brim, Type 1; Tested Accessory UL 60079-0, 60079-11 & 61010-1 CSA C22.2#60079-0, 60079-11 & 61010-1-12 IEC 60079-0, 60079-11 <i>See "Compass Pro IS Annex" for additional details.</i>
Environmental	Directive 2011/65/EU (RoHS 2), Directive 2015/863/EU (RoHS 2 amendment), EN IEC 63000:2018, Directive 2006/66/EC (Battery RoHS) REACH (EC) No 1907/2006: No SVHC above 0.1% by weight evaluated to SVHC candidate list January 23, 2024 (240 substances). California Proposition 65: ⚠ This product can expose you to chemicals such as Acrylonitrile, which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov		
Conformances (To Other Standards)	ASTM F3283/F3283M - 18: Standard Specification for the Manufacturing of High Voltage Proximity Alarm to be used for the Detection of Overhead High Voltage Alternating Current (AC)		