

EU – KONFORMITÄTSERKLÄRUNG EC Declaration of Conformity

Cobra SMARTsense

Bestellnr./Order No. **12901...**

Artikel-Liste im Anhang
Item List in appendix

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsrechtsvorschriften der EU:
The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Funkanlagen-Richtlinie 2014/53/EU (radio equipment 2014/53/ EU)

Angewandte harmonisierte Normen (Applicable harmonised standards)

ETSI EN 300 328 V 2.2.2 (2019-07)
Draft ETSI EN 301 489-1 V2.2.3 (2019-11)
Draft ETSI EN 301 489-17 V3.2.4 (2020-09)

EN 62368-1:2020 + A11:2020
EN 62479: 2010

Reg TP 322 TE 01

Techn. Empfehlung zur Anwendung d. EMV-Gesetzes f. Lehrmittel
Technical recommendation for usage of EMC (electromagnetic compatibility) laws for teaching aids

RoHS-Richtlinie 2011/65/EU (RoHS Directive 2011/65/EC)

RoHS Beschränkung einzelner gefährlicher Stoffe / (Restriction of certain Hazardous Substances)

Angewandte harmonisierte Normen (Applicable harmonised standards)

EN IEC 63000: 2018

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

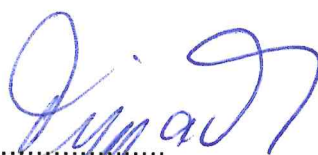
This declaration of conformity is issued under the sole responsibility of the manufacturer.

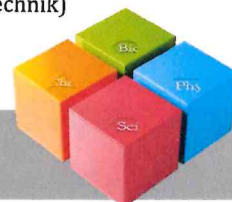
Unterzeichnet für und im Namen von / Signed for and on behalf of:

PHYWE Systeme GmbH & Co. KG
Robert- Bosch- Breite 10
37079 Göttingen

Göttingen, den 08.06.2023

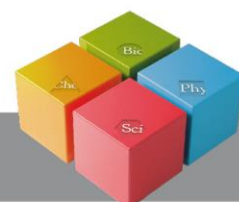

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Lutz Kinateder (ppa.)
(Vertriebsleiter DACH-LUX/PM-BD)


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M. Tippach
(Leitung Technik)



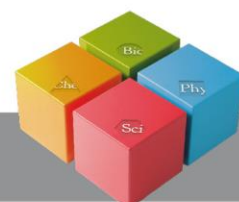
Artikel-Liste / Item List (1v8)

Bestellnr./ Order No.	Artikel-Bezeichnung / Description of item	Bild / picture	Code
12901-00	Cobra SMARTsense - Voltage, ± 30 V		W0003A
12901-01	Cobra SMARTsense - Voltage, ± 30 V (Bluetooth + USB)		W0003B
12902-00	Cobra SMARTsense - Current, ± 1 A		W0004A
12902-01	Cobra SMARTsense - Current, ± 1 A (Bluetooth + USB)		W0004B
12903-00	Cobra SMARTsense - Temperature, - 40 ... 120 °C		W0001A
12904-00	Cobra SMARTsense - Force, ± 50 N		W0002A
12905-00	Cobra SMARTsense - Pressure, 20 ... 400 kPa		W0010A
12905-01	Cobra SMARTsense - Pressure, 20 ... 400 kPa, (Bluetooth + USB)		W0010B
12906-00	Cobra SMARTsense - Light, 1 ... 128 kLX		W0008A
12906-01	Cobra SMARTsense - Light, 1 ... 128 kLX (Bluetooth + USB)		W0008B



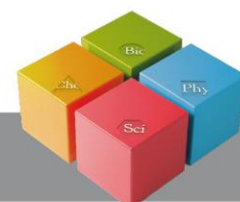
Artikel-Liste / Item List (2v8)

12907-00	Cobra SMARTsense - Acceleration, ± 8 g		W0012A
12907-01	Cobra SMARTsense - Acceleration, ± 8 g (Bluetooth + USB)		W0012B
12908-00	Cobra SMARTsense - Motion, 0,2 ... 2 m		W0011A
12908-01	Cobra SMARTsense - Motion, 0,2 ... 2 m (Bluetooth + USB)		W0011B
12909-00	Cobra SMARTsense - Photogate, 0 ... ∞ s, Satz von 2 Stück		W0021A
12910-00	Cobra SMARTsense - Wide-Range Temperature, -20 ... 330°C		W0026A
12911-00	Cobra SMARTsense - Magnetic field, ± 64 mT		W0005A
12912-00	Cobra SMARTsense - Nitrate Ion		W0034A
12912-10	Ersatzelektrode für SMARTsense Nitrate Ion		
12913-00	Cobra SMARTsense - Ammonium Ion		W0030A
12913-10	Ersatzelektrode für Cobra SMARTsense Ammonium Ion		



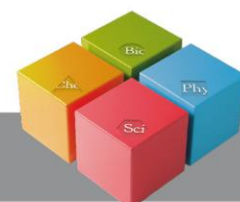
Artikel-Liste / Item List (3v8)

12914-00	Cobra SMARTsense - Chloride Ion		W0033A
12914-10	Ersatzelektrode für Cobra SMARTsense Chloride Ion		
12915-00	Cobra SMARTsense - Calcium Ion		W0031A
12915-10	Ersatzelektrode Cobra SMARTsense Calcium Ion		
12916-00	Cobra SMARTsense - Potassium Ion		W0032A
12916-10	Ersatzelektrode Cobra SMARTsense Potassium Ion		
12917-00	Cobra SMARTsense - Surface Temperature, - 25 ... 125 °C		W0027A
12917-01	Cobra SMARTsense - Surface Temperature, - 25 ... 125 °C (Bluetooth + USB)		W0027B
12918-00	Cobra SMARTsense - Rotary Motion (Bluetooth + USB) incl. accessories		W0028A
12918-01	Cobra SMARTsense - Rotary Motion (Bluetooth + USB)		W0028B
12918-02	Accessories for Rotary Inertia for Cobra SMARTsense – Rotary		
12919-00	Cobra SMARTsense - Energy (Bluetooth + USB)		W0041A
12920-10	pH-Elektrode für Cobra SMARTsense pH, BNC-Stecker pH-electrode for Cobra SMARTsense pH, BNC		
12921-00	Cobra SMARTsense - pH, 0 ... 14		W0013A



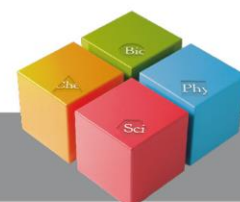
Artikel-Liste / Item List (4v8)

12922-00	Cobra SMARTsense - Conductivity, 0 ... 20000 $\mu\text{S}/\text{cm}$,		W0014A
12922-01	Cobra SMARTsense - Conductivity		W0059A
12923-00	Cobra SMARTsense - Dropcounter, 0 ... ∞		W1036A
12924-00	Cobra SMARTsense - Colorimeter, 0 ... 100 %		W0016A
12924-01	Cobra SMARTsense - Colorimeter, 0 ... 100 % (Bluetooth + USB)		W0016B
12925-00	Cobra SMARTsense - High Current, $\pm 10 \text{ A}$ (Bluetooth + USB)		W0054
12927-00 12927-10	Cobra SMARTsense - ORP Ersatzelektrode Cobra SMARTsense ORP		W0035A
12929-00	Set with 20 selfsticking electrodes for Cobra SMARTsense ECG		
12931-00	Cobra SMARTsense - Humidity, 0 ... 100 %		W0006A
12931-01	Cobra SMARTsense - Humidity, 0 ... 100 % (Bluetooth + USB)		W0006B
12932-00	Cobra SMARTsense - CO ₂ , ... 0 ... 100000 ppm		W0017A
12932-01	Cobra SMARTsense - CO ₂ , ... 0 ... 100000 ppm (Bluetooth + USB)		W0017B

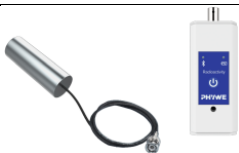


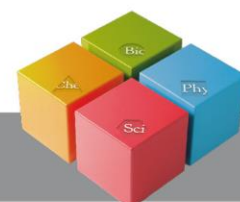
Artikel-Liste / Item List (5v8)

12933-00	Cobra SMARTsense - Oxygen, 0 ... 20 mg/l		W0015A
12933-01	Cobra SMARTsense - Oxygen, 0 ... 20 mg/l (Bluetooth + USB)		W0015B
12933-10	Elektrode für Gelöst- und Luftsauerstoff für Cobra SMARTsense Oxygen Dissolved Oxygen Electrode for SMARTsense Oxygen		
12934-00	Cobra SMARTsense - EKG, 0 ... 4,5 mV		W0018A
12934-01	Cobra SMARTsense - EKG, 0 ... 4,5 mV (Bluetooth + USB)		W0018B
12934-10	Dreifarbige Zuleitung für Cobra SMARTsense EKG Tri-color connection cable for Cobra SMARTsense EKG		
12935-00	Cobra SMARTsense - Heart Rate, 30 ... 200 bpm		W0019A
12935-01	Cobra SMARTsense - Heart Rate, 30 ... 200 bpm (Bluetooth + USB)		W0019B
12935-10	Ersatzohrclip für Cobra SMARTsense Heart Rate		



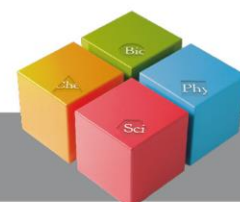
Artikel-Liste / Item List (6v8)

12936-00	Cobra SMARTsense - Spirometer, ± 10 l/s		W0020A
12936-01	Cobra SMARTsense - Spirometer, ± 10 l/s (Bluetooth + USB)		W0020B
12937-00 12937-10 12937-20	Cobra SMARTsense - Radioactivity Cobra SMARTsense - Radioactivity (nur Sensor) Geiger-Müller Zählrohr für SMARTsense Radioactivity		W0025A
12937-01 12937-02 12937-11	Cobra SMARTsense - Radioactivity Cobra (Bluetooth + USB) SMARTsense - Radioactivity (nur Sensor) (Bluetooth + USB)		W0025B
12938-00	Cobra SMARTsense - Thermocouple		W0024A
12938-01	Cobra SMARTsense - Thermocouple (Bluetooth + USB)		W0024B
12938-10	Type-K Temperature Probe		
12939-00	Cobra SMARTsense - Sound, 55 ... 110 dBA (Bluetooth + USB)		W0039A
12942-00	Cobra SMARTsense - Skin Resistance		W0029A
12943-00	Cobra SMARTsense - Force and Acceleration		W0037A



Artikel-Liste / Item List (7v8)

12944-00	Cobra SMARTsense - Blood Pressure, 0 ... 375 mmHg (Bluetooth + USB)		W0038A
12945-00	Cobra SMARTsense - Dual Photogate, 0 ... ∞ s (Bluetooth + USB)		W0043A
12946-00	Cobra SMARTsense - Weatherstation (Bluetooth + USB)		W0044A
12947-00	Cobra SMARTsense - 3-Axis Magnetic field		W0036A
12948-00	Cobra SMARTsense - Ethanol Vapor, 0 ... 3 % (Bluetooth + USB)		W0042A
12949-00	Cobra SMARTsense - Methane, 0 ... 10000 ppm (Bluetooth + USB)		W0040A
12950-00	Cobra SMARTsense - High Precision Temperature, -50 ... +150 °C (Bluetooth + USB)		W0058
12951-00	Cobra SMARTsense Light & Color - Sensor zur Lichtmessung und Farberkennung, 0 ... 200 kLx (Bluetooth + USB)		W0062A



Artikel-Liste / Item List (8v8)

12970-00	Cobra SMARTexperiment - Hookesches Gesetz Cobra SMARTexperiment - Hooke's Law		
12971-00	Cobra SMARTexperiment - Archimedisches Prinzip Cobra SMARTexperiment - Archimedes' principle		
12972-00	Cobra SMARTexperiment - Mathematisches Pendel Cobra SMARTexperiment - Mathematical Pendulum		
12973-00	Cobra SMARTexperiment - 3. Newtonsche Gesetz Cobra SMARTexperiment - 3rd law of Newton		

