

TECHNICAL DATA for ProGlove System "MARK:" SCANNER MARK Basic, CHARGING STATION

SCOPE OF APPLICATION

Application of the ProGlove system in industrial field, such as production, assembly, logistics. Please contact the manufacturer for other application areas

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATION

BLUETOOTH LOW ENERGY

SUPPORTED BLUETOOTH VERSIONS	Bluetooth Low Energy 4.0, 4.1, 4.2, 5.0, 5.1
TRANSMISSION POWER	≤ 0dBm
ENCRYPTION	AES-128
TRANSMISSION RANGE	Line-of-sight: 10m** **may decrease in industrial environments (e.g. due to walls, metal shelving, machines)
PROTOCOL	BLE HID over GATT

BARCODE DECODING CAPABILITY

1D	All common 1D
2D	PDF417, MicroPDF417, Data matrix, QR Code, Micro QR Code, Aztec, RSS, Composite, TLC-39, MaxiCode
POSTAL	US PostNet, US Planet, UK Postal, Australia Postal, Japan, Postal, Dutch Postal (KIX)

ELECTRICAL PROPERTIES

BATTERY TYPE	Lithium polymer (rechargeable)
CHARGING DURATION	2 hours via power supply SAW-0501200GB
OPERATING DURATION / SCANS	up to 3000 scans depending on application and environmental conditions
POWER SUPPLY CHARGING STATION	5 VDC (1.2A) via power supply SAW-0501200GB

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ENVIRONMENTAL CONDITIONS

DROP RESISTANCE	Scanner: Resists > 50 drops from 2 m (onto concrete)
PROTECTION AGAINST DUST AND WATER	Scanner: IP54 charging station: IP20
TEMPERATURE:	Operation: -5 - 50 °C Storage: -20 - 60 °C Rel. air humidity: 95% (non-condensing)

KEYBOARD LANGUAGES

BLE HID	<ul style="list-style-type: none"> • Croatian • Czech • English (GB) • English (US) • French (Belgium) • French (Canada) • French (France) • German (Germany) • German (Switzerland) • Italian • Portuguese (Brazil) • Portuguese (Portugal) • Slovakian • Slovenian • Spanish
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MECHANICAL PROPERTIES

DIMENSIONS	Scanner: 50 x 45 x 16 mm Charging station: 140 x 56 x 19 mm
WEIGHT	Scanner: 40 g charging station: 110 g

SCANNER PROPERTIES






READING RANGE	Mid-range: Horizontal: 31°, vertical: 23°
SKEW, PITCH & ROLL	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
AMBIENT LIGHT	Maximum of 96,900 lux (direct sunlight)

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DECODER RANGES

The smallest symbol in the barcode (the mil-inch (mm) number indicates the size of the smallest function in the barcode)	Possible distance between user and barcode
5 mil (0.127 mm) code 128	7.4 in./18.8 cm to 16.0 in./40.6 cm
5 mil (0.127 mm) PDF417	8.1 in./20.6 cm to 13.1 in./33.3 cm
10 mil (0.254 mm) DataMatrix Example: A 10 mil DataMatrix symbol, which can carry 25 alphanumeric characters, has a size of 4.57 mm * 4.57 mm	7.0 in./17.8 cm to 17.0 in./43.2 cm
100% UPCA	2.3 in./5.8 cm to 38.0 in./96.5 cm
20 mil (0.508 mm) code 39	2.1 in./5.3 cm to 54.0 in./137.2 cm
100 mil (2.54 mm) code 39	11.0 in./ 27.9 cm to 172.0 in./ 436.9 cm

CERTIFICATION AND DETAILS - Access point, scanner and charging station

DESIGNATION	    
RADIO	<p>2014/53/EU Radio Equipment Directive (RED) ETSI EN 300 220-1 V3.1.1:2017 ETSI EN 300 220-2 V3.1.1:2017 ETSI EN 300 220-2 V3.2.1:2018 ETSI EN 300 328 V2.1.1:2016 EN 61000-4-11:2004 EN 61000-4-6:2014 EN 61000-4-5:2014 EN 61000-4-4:2012 EN 61000-4-3:2006+A1:2008+A2:2010 EN 61000-4-2:2009 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55022:2010 + AC:2011</p>
OTHER	<p>Safety / LVD testing as per IEC 60950-1:2005/AMD1:2009 IEC 60950-1:2005/AMD2:2013 IEC 60950-1:2005 EN 60950-1: 2006 / A11: 2009 / A1: 2010 / A12: 2011 / A2:2013 2011/65/EU Restriction of Hazardous Substances (RoHS)</p>
LED CLASSIFICATION	Mid-range: According to CDRH Class II/IEC 825 Laser class 2 device
COMPLIANCE WITH ENVIRONMENTAL REGULATIONS	Complies with EU-RoHS