

Technical Specification

ProGlove MARK Basic

(standard range, mid range, multi range)

WIRELESS COMMUNICATION

BLUETOOTH LOW ENERGY

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| BLUETOOTH RADIO | Supports Bluetooth Low Energy 4.0, 4.1, 4.2, 5.0 | |
| FREQUENCY RANGE | Frequency band used BLE: 2400-2483.5 MHz | |
| MAX RADIO-FREQU. POWER TRANSMITTED | < 20dBm | |
| TRANSMISSION RANGE | 3rd party device Free field: 40 m (131 ft)** Indoor: 10-20 m (33-66 ft)** | ProGlove Gateway Free field: 70 m (230 ft)** Indoor: 30-40 m (100-130 ft)** |
| **may decrease in industrial environments (e.g. due to walls, metal shelving, machines) | | |

BARCODE DECODING CAPABILITIES

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| 1D | Auto decodes all standard 1D codes including GS1 DataBar linear codes et al. |
| 2D | PDF417, MicroPDF417, Data matrix, QR Code, Micro QR Code, Aztec, MaxiCode et al. |
| POSTAL | US PostNet, US Planet, UK Postal, Australia Postal, Japan Postal, Dutch Postal (KIX) et al. |

ELECTRICAL PROPERTIES

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| BATTERY | 670 mAh, Lithium polymer (rechargeable) |
| CHARGING TIME | 2 hours with ProGlove Charging Station |
| OPERATING TIME / SCANS | Approx. 8000 scans depending on the application and environmental conditions |

MECHANICAL PROPERTIES

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| DIMENSIONS | standard range, mid range: 50 x 45 x 16 mm (1.47 x 1.77 x 0.63 in) multi range: 50 x 45 x 17 mm (1.47 x 1.77 x 0.67 in) |
| WEIGHT | standard range, mid range: 40 g (1.41 oz) multi range: 39 g (1.38 oz) |

ENVIRONMENTAL CONDITIONS

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| DROP RESISTANCE | Resists several drops from 2 m (6.5 ft) onto concrete |
| TUMBLES | 2000 tumbles from 0.5 m |
| PROTECTION AGAINST DUST AND WATER | IP54 |
| TEMPERATURE | Operating Temperature: 0°C - 50°C (32°F - 122°F) Charging Temperature: 5°C - 40°C (41°F - 104°F) Storage Temperature: -20°C - 60°C (-4°F - 140°F) |
| HUMIDITY | 5% - 95% non condensing |
| ELECTROSTATIC DISCHARGE (ESD) | ±8kVdc air discharge ±4kVdc contact discharge |

INTERFACES

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|-----------|---|
| BLUETOOTH | HID Profiles |
| ANDROID | HID, Insight Mobile (Android) (App/SDK) |
| IOS | HID, Insight Mobile (iOS) (SDK) |
| USB | ProGlove Gateway |

SCANNER PROPERTIES

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| READING FIELD OF VIEW | standard range: horizontal: 48°, vertical: 36.7° mid range: horizontal: 31°, vertical: 23° multi range: horizontal: 37°, vertical: 21° |
| SKEW, PITCH & ROLL | Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360° |
| AMBIENT LIGHT | 0 - 96,900 lux |
| AIMER | standard range, mid range: 650 nm, 1 mW multi range: 520nm, 1mW |

COUNTRY APPROVALS

Regulatory markings are affixed to the device, indicating that the radio modules are approved for use in the following regions: European Economic Area*, Canada, United States of America, China, Australia, New Zealand.

Detailed information on the regulatory markings can be found in the Declaration of Conformity (DoC) at www.proglove.com

*CE is valid in the European Economic Area and additional countries: Austria, Belgium, Bulgaria, Croatia, Republic of Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom, Iceland, Liechtenstein, Switzerland and Norway.

SCAN RANGES

Minimum distance determined by symbol length, scan-angle and environmental conditions.

STANDARD RANGE

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| 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 |
| 3 mil Code 39 | 2.8 in./7.1 cm to 6.2 in./15.8 cm |
| 5 mil Code 128 | 2.3 in./5.8 cm to 8.7 in./22.1 cm |
| 5 mil Code PDF417 | 3.0 in./7.6 cm to 8.1 in./20.6 cm |
| 10 mil DataMatrix | 2.4 in./6.1 cm to 10.6 in./26.9 cm |
| 100% UPCA | 1.6 in./4.1 cm to 23.0 in./58.4 cm |
| 20 mil Code 39 | 1.6 in./4.1 cm to 36.3 in./92.2 cm |

MID RANGE

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|---|--|
| 5 mil Code 128 | 7.4 in./18.8 cm to 16.0 in./40.6 cm |
| 5 mil PDF417 | 8.1 in./20.6 cm to 13.1 in./33.3 cm |
| 10 mil 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 Code 39 | 2.1 in./5.3 cm to 54.0 in./137.2 cm |
| 100 mil Code 39 | 11.0 in./27.9 cm to 172.0 in./436.9 cm |

MULTI RANGE

| | |
|--------------------|------------------------------------|
| 5 mil Code 39 | 2.5 in./6.4 cm to 26.6 in./67.6 cm |
| 5 mil PDF417 | 2.8 in./7.1 cm to 19.6 in./49.8 cm |
| 10 mil DataMatrix | 2.2 in./5.6 cm to 27.1 in./68.8 cm |
| 100% UPCA (13 mil) | 2.5 in./6.4 cm to 60 in./152.4 cm |
| 15 mil Code 128 | 7.2 in./18.3 cm to 65 in./165.1 cm |
| 20 mil Code 39 | Far Distance: 76 in./193 cm |
| 55 mil Code 39 | Far Distance: 145 in./368.3 cm |
| 100 mil Code 39 | Far Distance: 230 in./584.2 cm |

UTILITIES & ACCESSORIES*

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|-----------------------------------|---|
| CONFIGURATION & DEVICE MANAGEMENT | https://insight.proglove.com |
| DIGITAL DOCUMENTATION | https://docs.proglove.com |
| ANDROID INTEGRATION | Insight Mobile (Android): Provides a full featured integration for Android enterprise applications. |
| IOS INTEGRATION | Insight Mobile (iOS): Provides an SDK for basic integration for iOS enterprise applications. |
| GATEWAY INTEGRATION | ProGlove Gateway: Hardware connector to enable the full capabilities of the ProGlove Ecosystem via USB-Interface. |
| TRIGGER | Scanner can be triggered only with ProGlove wearables (REEL, Index-Trigger et al.) |

*More information on www.proglove.com

WARRANTY & SLA

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| WARRANTY | 12 months factory warranty |
| PROGLOVE CARE | 36 and 60 months maintenance contracts available. For more information please contact your ProGlove representative or visit https://proglove.com |

SAFETY & REGULATORY

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| RADIO AND ELECTROMAGNETIC COMPATIBILITY | EU: 2014/53/EU Radio Equipment Directive (RED) standard range, mid range: FCC ID: 2A0JL-MARK-2, IC: 23450-MARK2 multi range: FCC ID: 2A0JL-MARK-3, IC: 23450-MARK3 |
| ELECTRICAL SAFETY | EU: acc. to 2014/53/EU Radio Equipment Directive (RED) EN 62368-1:2014 + A11:2017 INTERNATIONAL: IEC 62368-1:2014 |
| LED CLASSIFICATION | US: UL 62368-1, 2 nd Ed, 2014-12-01 and CAN/CSA C22.2 No. 62368-1-14 standard range: Excluded risk group LED product according to IEC/EN 62471 |
| LASER CLASSIFICATION | mid range, multi range: According to EN 60825-1: 2014 and IEC 60825-1 (Ed. 3.0) Laser class 2 device. Caution Laser Radiation - Do not stare into beam. |
| ENVIRONMENTAL | RoHS Directive 2011/65/EU; Amendment 2015/863, REACH SVHC 1907/2006; WEEE |

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