PROGLOVE

MARK Basic

Increasing scanner reliability and versatility

14% more scans per charge

65% increase in scan range (with the multi range engine)

Increased ability to withstand dust and moisture

"In an industry where time is everything, it all comes down to shipping more, minimizing errors, and enhancing process quality."

DR. SIMON DEYMAN
VP Operations Parcel Hubs, DHL

UP TO A

27%

increase in productivity

The Mark Basic is the workhorse of barcode scanning, and central to the fabric of high-performance logistics and 3PL operations. Now, ProGlove packs more benefits into each ergonomic scanner improving both reliability and versatility while making every worker more productive.

Logistics & 3PL Use Cases

- ☑ Receiving
- ☑ Sorting
- ☑ Truck and Trailer Load

ProGlove just made the workhorse of barcode scanning a lot better

ProGlove drives warehouse productivity with worker-centric innovation. Our next gen barcode scanners are ergonomic, lightweight, and wearable. These small devices drive big gains:

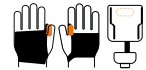**Saving 4 – 5 seconds per scan**

Reducing errors by 33%

Earning a 95% worker satisfaction rating

Set range and multi-range versions, all scan barcodes of different mil-size and symbology

Optic, acoustic, haptic feedback

Small, lightweight, ergonomic, wearable

MARK Basic - the next generation of innovation

☑ Increase safety on the shop floor – every worker always has 2 hands free

☑ Seamless connectivity to Android, iOS, Windows, Linux and directly into the WMS

☑ 3 different wearables in different variations to suit each worker

Technical Specification

ProGlove MARK Basic
(standard range, mid range, multi range)

WIRELESS COMMUNICATION
BLUETOOTH LOW ENERGY

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

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

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

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

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

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

SCANNER PROPERTIES

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

SCAN RANGES

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

STANDARD RANGE

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 DataMatix	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

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 DataMatix	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*

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

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

RADIO AND ELECTROMAGNETIC COMPATIBILITY	EU: 2014/53/EU Radio Equipment Directive (RED) standard range, mid range: FCC ID: 2AOJL-MARK-2, IC: 23450-MARK2 multi range: FCC ID: 2AOJL-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 US: UL 62368-1, 2nd Ed, 2014-12-01 and CAN/CSA C22.2 No. 62368-1-14
LED CLASSIFICATION	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.
ENVIROMENTAL	RoHS Directive 2011/65/EU; Amendment 2015/863, REACH SVHC 1907/2006; WEEE