



ProGlove Mark 2 – The wearable scanner for Industry 4.0 applications

- ✓ Hands-free scanning with unprecedented freedom of movement
- ✓ Sturdy housing, protected against impact, dust and water
- ✓ Extremely compact and only 40 g light
- ✓ Connection via Bluetooth LE
- ✓ Feedback: Light, Sound & Vibration

Features

Readable codes: 1D, 2D, Post

Reading distance: Standard Range approx. 10 - 60 cm, Mid Range approx. 30 - 140 cm

Feedback: light, sound & vibration

Battery: up to 10 000 scans

Connectivity: Bluetooth LE

Protection: IP 54, drop-resistant up to 2 m

Operating temperature: -20 - 50 °C

Dimensions (W x L x H): 50 x 45 x 16 mm

Weight: 40 g

Optional accessories

Longlife - Index Trigger

Reel

2-fold charging station

10-fold charging station

Gateway

WIRELESS COMMUNICATION

SUB-1-GHZ*

Sub-1-GHz data transmission is only possible with ProGlove Access Point.

FREQUENCY RANGE	EU: 863-870 MHz on 70 channels (100 kHz channel spacing) NA: 902-928 MHz on 30 channels (752 kHz channel spacing)
TRANSMISSION RANGE	ProGlove Access Point Free field: >60 m (230 ft)** Indoor: 15-30 m (100-130 ft)** **may decrease in industrial environments (e.g. due to walls, metal, shelving, machines)

*This product supports AFA (Adaptive Frequency Agility) with LBT (Listen Before Talk): automatic switch to unoccupied frequencies in order to avoid collisions and to ensure secure data transmission.

BLUETOOTH LOW ENERGY

BLUETOOTH RADIO	Supports Bluetooth Low Energy 4.0, 4.1, 4.2, 5.0
TRANSMISSION RANGE	3rd party device ProGlove Gateway Free field: 40 m (131 ft)** Free field: 70 m (230 ft)** Indoor: 10-20 m (33-66 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. 10.000 scans depending on the application and environmental conditions

MECHANICAL PROPERTIES

DIMENSIONS	50 x 45 x 16 mm (1.47 x 1.77 x 0.63 in)
WEIGHT	40 g (1.41 oz)

ENVIRONMENTAL CONDITIONS

DROP RESISTANCE	Resists 100 drops from 2 m (6.5 ft) onto concrete
TUMBLES	1000 tumbles from 1 m
PROTECTION AGAINST DUST AND WATER	IP 54
TEMPERATURE	Operating Temperature: -20°C - 50°C (-4°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, ProGlove Connect (App/SDK)
IOS	HID, ProGlove iOS SDK
USB	ProGlove Gateway ProGlove Access Point (HID / CDC)
RS232	ProGlove Access Point

SCANNER PROPERTIES

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

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 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

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