MARK Display

WEARABLE SCANNER
where data meets reality for frontline workers

Smallest wearable display scanner

Save up to 6 seconds per scan

2 different wearables in different variations to choose from

For mobile and flexible worker allocation

2 types of scan ranges: 10 - 90 cm or 30 - 150 cm

HANDS-FREE INTUITIVE DATA-FIRST

USE CASES

PICKING
Very narrow aisles shelves

SORTING
Distribution Centers

INVENTORY
Supermarkets

SEQUENCING
Production logistics

ASSEMBLY
Alerts for optional equipment

* Battery life depends on device settings, usage and many other factors.

FEATURES

- Worker guidance with high-contrast 1,54" e-ink display
- Haptic, acoustic and optic feedback function
- Battery life up to 7.500 scans *

Insight Mobile

- Easy configuration for MARK Display on insight.proglove.com
- Monitor company-wide device health data
- Gain actionable insights for process optimiza-tion with continious time and motion studies

MARK Display

GET MORE INFORMATION

Please contact us for more information:

✉ sales@proglove.com
🌐 www.proglove.com

PROGLOVE   **Test MARK Display now!**   sales@proglove.com   www.proglove.com   WIIO

ProGlove MARK Display

(mid range or standard 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	Free field: 40 m (131 ft)** Indoor: 10-20 m (33-66 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.

DISPLAY

DISPLAY	E-PAPER DISPLAY
SIZE	1.54 inch
RESOLUTION	200 x 200 pixel resolution, 188 Dpi

ELECTRICAL PROPERTIES

BATTERY	670 mAh, Lithium polymer (rechargeable)
CHARGING TIME	2 hours with ProGlove Charging Station
OPERATING TIME / SCANS	approx. 7500 scans depending on the application and environmental conditions

MECHANICAL PROPERTIES

DIMENSIONS	50 x 45 x 18 mm (1.47 x 1.77 x 0.7 in)
WEIGHT	48 g (1.7 oz)

ENVIRONMENTAL CONDITIONS

DROP RESISTANCE	Resists several drops from 2 m (6.5 ft) onto concrete
TUMBLES	1000 tumbles from 0.5 m
PROTECTION AGAINST DUST AND WATER	IP 54
TEMPERATURE	Operating Temperature: 0°C - 45°C (32°F – 113°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)	±19kVdc air discharge ±17kVdc contact discharge

INTERFACES

ANDROID	Insight Mobile (App/SDK)
IOS	ProGlove iOS SDK
USB	ProGlove Gateway

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

UTILITIES & ACCESSORIES

CONFIGURATION & DEVICE MANAGEMENT	https://insight.proglove.com
DIGITAL DOCUMENTATION	https://docs.proglove.com
ANDROID INTEGRATION	Insight Mobile: Provides a full featured integration for Android 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.)

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

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) FCC ID: 2AOJL-MARK-2 IC: 23450-MARK2
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	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

COUNTRY CERTIFICATION

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, 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.