

The **SYMBOL DS3478 DPM**

Bluetooth Wireless Handheld Reader

Reads All Bar Codes and Direct Part Mark Codes

The all new **DS3478 DPM Bluetooth Wireless** industrial Direct Part Mark(DPM) Reader from Symbol Technologies uses Digital Signal Processing (DSP) CCD Imaging Technology and associated lighting to accurately read Laser-Etched, Dot-Peened, Ink-Jet and Chemical-Etched direct part marks at distances from 25mm to 300mm. In addition the DS3478 reads all types of two-dimensional (2D) and one-dimensional (1D) printed barcodes automatically and in any orientation.

A Non Contact DPM High Performance Reader with Variable Focus!

The DS3478 DPM comes equipped with a newly designed charge-coupled device (CCD) image sensor and special Direct Part Mark decoding algorithms, which allow it to more accurately capture and process DPM data at speeds, angles and distances never seen before in like-class DPM readers.

With Symbols patented variable focus technology, it is possible to read DPM codes from 25mm to 300mm automatically without refocusing. This means that this single device can work well for all your DPM and barcode scanning needs.

Rugged Construction

The DS3478 DPM has an IP65-rated sealing, which protects against water and dust to ensure reliable performance in the harshest industrial conditions. Its industrial design withstands multiple 2-meter drops to concrete, reducing downtime and costs for maintenance and repairs.

Freedom to Roam

The Class2 Bluetooth wireless capability allows the user to scan items up to 100 meters away from its base station. Connectivity between the base and the host computer can be RS232, USB or Keyboard Wedge.



DS3478 DPM Bluetooth Wireless Reader Specification Highlights



Physical Characteristics

Dimensions	D 18.65 cm H x 12.25 cm W x 7.43 cm
Weight (without cable)	356 gm
Input Voltage	5 volts +/- 10%
Operating Current	250mA (average)
Power Sources	Battery: 2200 mAh Lithium Iron Battery (Fully Charged in 3 hours)
Colour	Twilight Black/Yellow

Performance Characteristics

Light Source	650 nm visible laser diode
Resolution	640 x 480
Minimum Element Width	5 mil/0.127 mm
Nominal Working Distance	From 2.5 cm to 35 cm on 100% UPC/EAN symbols
Print Contrast	15% minimum reflective difference or less
Roll (Tilt)¹	+/- 50 degrees from normal
Pitch²	+/- 60 degrees from normal
Skew (Yaw)³	+/- 180 degrees from normal

Decoding Capability

1D Codes	UPC.EAN, UPC.EAN with Supplementals, UCC.EAN 128, JAN 8 & 13, Code 39, Code 39 Full ASCII, Code 39 Trioptic, Code 128, Code 128 Full ASCII, Codabar (NW7), Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, Code 32, Bookland EAN, IATA, UCC/EAN RSS and RSS variants
2D Codes	Direct Part Marking (DPM/UID), PDF417, microPDF417, MaxiCode, DataMatrix (ECC 2000), Composite Codes, QR Code
Postal Codes	U.S. Postnet, U.S. Planet, U.K. Postal, Japan Postal, Australian Postal, Dutch Postal
Communications	Wireless Bluetooth communications to cradle connecting to host via RS232, USB or Keyboard Wedge

User Environment

Operating Temperature	32° to 122°F (-0° to 50°C)
Sealing	Sealed to IP65 specification
Drop Specifications	Unit functions normally after repeated 2 meter drops to concrete

Radio Specification

Radio Range	100 Metres direct line of sight
Frequency	2.4 GHz