

# QS6100 Scanner



## Overview

The QS6100 handheld scanner offers great performance at a very affordable price. A high first pass read-rate and the best speed-to-read of any scanner in its class, makes the QS6100 a productive and efficient tool for many scanning applications. With a high visibility option utilizing a 650nm laser diode, the user can target and read bar codes even in bright light conditions due to the scanner's inherent tolerance of high ambient light conditions. In addition, the QS6100's advanced electronics

perform well even when reading low contrast labels with poor edge definition.

## Hardened for Tough Factory Environments

The QS6100 scanner incorporates the most advanced, high durability features available today. The reading engine and optics are protected by anti-shock mounts built to withstand five-foot (1.5m) drops to concrete.

The QS6100 also features a strong, plastic enclosure that guards against liquid and dust infiltration. A tough, rubber-like shield cushions the scanner when dropped, protects the scan window from being scratched and prevents the scanner from slipping off counter surfaces. The coiled cable, with strain relief and end cap, is made from rugged, tear-resistant polyurethane and retains its memory after repeated stretches.

## Lightweight & Ergonomic for Maximum Comfort & Productivity

The QS6100 scanner was developed with operator fatigue in mind — a critical factor that ensures prolonged operator productivity. The weight of its balanced design can be held easily in any size hand, even for extended periods of use.

The positive response trigger provides tactile feedback when pressed, yet allows the operator's index finger to relax comfortably between scans. When resting on a horizontal surface, in a stand, or in a belt holster, the handle is quickly and easily grasped for "scoop and scan" simplicity.

## Connectivity for Any Environment

The QS6100 reads all major bar code symbologies, auto-discriminating between codes. Full support is also included for the UPC/EAN family, add-ons and other types of code extensions. The included cable connects directly to most Computerwise products.

## QS6100: An Outstanding Value

With the QS6100 scanner, there's no need to make trade-offs between quality and affordability. High-end performance, advanced ergonomic design, enhanced durability add up to a great value.

## QS-6100 FEATURES

- Fast and accurate scans
- Ergonomic grip
- Lightweight
- Durable
- Supports all major barcode symbologies
- Affordable
- Two-year warranty



# QS6100 Features



## Decoding Capability

1D / Linear Codes

Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes

## Electrical

Current

Operating (Typical): 150 mA @ 5 VDC  
Standby/Idle (Typical): < 500 µA @ 5 VDC

Input Voltage

5 VDC +/- 5%

## Environmental

Ambient Light

Immune to light exposure in offices and facilities, and direct exposure to sunlight

Drop Resistance

Withstands drops from 1.5 m / 5 ft onto a concrete surface

ESD Protection (Air Discharge)

16 kV

Humidity (Non-Condensing)

90%

Particulate and Water Sealing

IP30

Temperature

Operating: 0 to 50 °C / 32 to 122 °F

Storage/Transport:

-20 to 40 °C / -4 to 104 °F

## Physical Characteristics

Colors Available

Dark Grey

Dimensions

17.8 x 7.2 x 9.1 / 7.0 x 2.8 x 3.6 in

Weight

200.0 g / 7.1 oz

## Reading Performance

Light Source

Aiming: VLD 630 - 680 nm

Print Contrast Ratio (Minimum)

15%

Read Rate (Maximum)

35 reads/sec. +/- 5

Reading Angle

Pitch: 5 to 55° / -5 to -55°; Roll (Tilt): +/- 20°; Skew (Yaw): +/- 60°

Reading Indicators

Beeper (Adjustable Tone); Good Read LED; Laser ON

Resolution (Maximum)

0.120 mm / 5 mils

## Reading Ranges

Typical Depth of Field

Minimum distance determined by symbol length and scan angle.

Printing resolution, contrast, and ambient light dependent.

5 mils: 4.0 to 18.0 cm / 1.5 to 7.0 in

7.5 mils: 3.5 to 18.0 cm / 1.4 to 10.9 in

10 mils: 2.5 to 44.0 cm / 1.0 to 17.2 in

13 mils: 2.0 to 50.0 cm / 0.8 to 19.5 in

20 mils: 5.0 to 73.0 cm / 1.9 to 28.5 in

## Safety & Regulatory

Agency Approvals

The product meets necessary safety and regulatory approvals for its intended use.

The Quick Reference Guide for this product can be referred to for a complete list of certifications.

Environmental Compliance

Complies to China RoHS; Complies to EU RoHS

Laser Classification

Caution Laser Radiation - Do not stare into beam; CDRH Class II; EN 60825-1 Class 1

## Warranty

2-Year Factory Warranty



SCANNER CRADLE IS INCLUDED

**COMPUTERWISE**  
302 N. Winchester, Olathe, KS 66062  
Tel: 913-829-0600 Fax: 913-829-0810  
E-mail: [sales@computerwise.com](mailto:sales@computerwise.com)  
Web: [www.computerwise.com](http://www.computerwise.com)