

# > RTS Rugged Scanner 5

High-performance rugged barcode scanner



## KEY FEATURES – BENEFITS

- Advanced fuzzy logic – *Enables you to read the lowest-quality barcodes*
- Extended range – *Capable of reading barcodes within a range of 5 centimetres to 10 metres*
- High-impact, chemical-resistant casing – *Suitable for use in industrial environments*
- Rubber-mounted internal components – *Reduces possible damage to internal optical components when dropped*
- Low-temperature version with in-built internal heater and auto-demist feature – *Enables continuous operation without fogging at -30°C without external heating device*
- Optional stainless steel top cover – *For additional strength and tethering*
- Heavy-duty shielded cable – *Robust and long lasting*
- Enhanced connector system – *Enables quick release for servicing*

## PRODUCT OVERVIEW:

The RTS Rugged Scanner 5 is a handheld barcode scanner combining state-of-the-art technology with durability and reliability.

The rugged scanner has been designed for long operational life in the most harsh and demanding industrial environments.

The easy-to-use RTS Rugged Scanner 5 was specifically designed for a variety of warehousing and distribution functions either mounted on a forklift or for on the factory floor. The scanner provides long range scanning and scanning through shrink wrap, enabling quick scanning from the forklift which can improve driver safety and efficiency.

Precision optics and electronics provide a high first-hit-rate for most colour, thermal or carbon-based labels. It can also be linked to a PC or a radio data terminal (RDT). The internal components, including the scan engine assembly and associated electronics, are mounted on shock proof rubber supports to reduce direct impact when the units are dropped. This improves and extends the life of the product tenfold which lessens premature replacement costs as a result of damaged units.





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## SCANNING OPTIONS

### Extended Range Version

- Scanning range:
  - Up to 4.5 metres (bar width of 55mil)
  - Up to 10 metres (bar width of 100mil)
- Two-stage trigger mechanism: stage 1 for the aiming beam, stage 2 to scan

### Fuzzy Logic Version

- Exceptional reading performance – uses ‘code reconstruction’ techniques to read poor contrast or poor quality barcodes
- Reads up to 1.3 metres (bar width of 55mil)
- Reads through shrink wrap

## TECHNICAL SPECIFICATIONS

### General performance

- Reads all industry standard barcode symbologies, including UPC, EAN, Code 39, Code 39 Full ASCII, Interleaved 2 of 5, Discrete 2 of 5, Code128, EAN 128, Code 93, Codabar
- Auto-discrimination of barcode types
- Scan and good-read LEDs (red and green)
- 650nm laser diode (visible red)

## Code Types

- Auto-discrimination of all industry standard symbologies, including UPC / EAN versions A and E (EAN 8 and 13), Code 129, Code 39 Full ASCII, Code 128, Codabar, Interleaved 2 of 5, Discrete 2 of 5, MSI, Code 93
- Print Contrast: 25% minimum

## COMMUNICATIONS

### Interface

- RS232 decoded
- Designed to be plug-compatible with RTS Terminals

## PARAMETERS

### Temperatures

- Standard 0°C to 40°C
- Cold store version -30°C to +40°C
- Storage 0°C to +60°C

### Humidity

- 5% to 95% non-condensing

### Shock

- Unit functions normally after a 2 metre drop onto concrete

### Reliability

- Designed for a mean time before failure (MTBF) of 5 years

## DIMENSIONS

- Height: 225mm
- Width: 71mm
- Depth: 158mm
- Weight: 550g (excluding cable)

## CONFIGURATION OPTIONS

- Barcodes can be prefixed and suffixed
- Barcode parity checking (where available)

## COMPLIANCE

### Approvals / Standards

- General: C-Tick
- Laser: IEC825 Class 2

## OPTIONS

- Intermec cables
- Symbol cables
- Interface unit (Symbol/Intermec for freezer grade only)

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RTS is an Australian hardware manufacturer and integrator of mobile devices, specialising in warehousing and materials handling applications. The company was founded in 1997, and is now recognised for its market-leading ruggedised products and responsive customer service.

RTS is a subsidiary of the Oxford Logistics Group, a family owned business which focuses on providing products and services for the cold storage, logistics, warehousing and materials handling industries.

Because of our constant product improvement process, these performance specifications may be subject to change at any time without notice.



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