



# ToughRunners

Performing under all Conditions !



- CMOS, Laser and Laser Long Range scan engines available
- Ergonomic torch-shaped design for accurate barcode aiming
- Bluetooth Class 1 (up to 100 m)
- Perfectly suitable for industrial environments : IP54 and it resists to multiple drops onto concrete
- Comprehensive scanning indicators : LED, beeper and vibrator
- Battery autonomy : over 15,000 scans
- Xtreme version IP65 available

- Goods in - Goods out
- Stock Management
- Inventory Management

# ToughRunners Specifications

## STANDARDS

Bluetooth 2.0

## SUPPORTED INTERFACES

Plug & Scan RS232, Plug & Scan USB Standard Dongle

## RADIO RANGE

Class 1 : up to 330 ft (100 meters)

## USER INTERFACE

Buzzer 80 dB(A)  
 LED Tricolour (Red, Green, Blue)  
 Vibrator yes

## USING MODES

Real time  
 No Data Loss Mode with buffer: up to 100 UPC codes

## READING MODES

Switch  
 Laser Beam ON via Bluetooth  
 Manual Autoscan  
 "No Duplicate Scan" mode option

## PHYSICAL

Length 192 mm  
 Width 56 mm  
 Height 49 mm  
 Weight 6 oz (170 g)

## ENVIRONMENT

Operating temperature 32°F - +122°F (0°C - +50°C\*)  
 Storage temperature +14°F - +140°F (-10°C- +60°C)  
 Humidity 15 - 95%  
 Shock 10 drops onto concrete (59 in / 1.50 meters)  
 Sealing IP54 (IP65 for Xtreme version)  
 Electrostatic discharge 8 kV air discharge and 4 kV of contact discharge

\* Available in Xtreme version (-22°F / -30C°)

## ENERGY

Battery Li-ion  
 Capacity 720 mAh  
 Charging time 4h for a full charge  
 Battery autonomy over 15,000 scans (10 scan/min)

## CRADDLE

Power supply 4.5V - 5.5 Volts  
 Voltage 260 mA to 5V

## REGULATOR

CE, FCC part 15, Bluetooth

## Content

- 1 ToughRunners scanner
- 1 Charger
- 1 CD of software documentation

## DECODING CAPACITIES

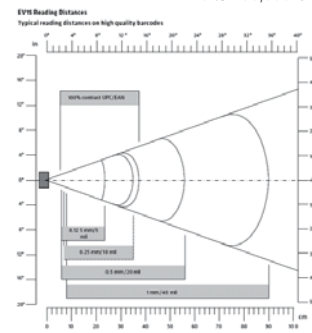
Supported symbologies Code 2 of 5 (standard and interleaved)  
 IATA Code 2 of 5, Codabar/ Monarch, Code 128  
 UCC / EAN 128, Code 39, Code 93, UPC-A, UPC-E  
 EAN 8/EAN 13, JAN 8/JAN13, ISBN, MSI, PLessey  
 GS1-128 (UCC/EAN-128)

## SCAN ENGINE

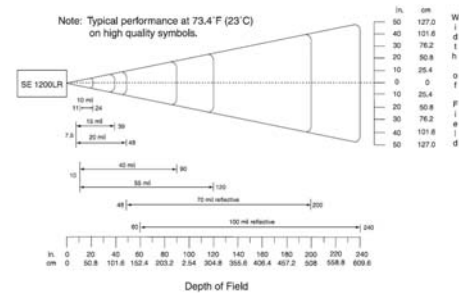
	BTR-L	BTR-LA	BTR-LR
Reference	EV15 (Intermec)	SE1200HP (Motorola)	SE1200LR (Motorola)
Reading technology	CMOS	Laser	Laser
Reading Distance	4 to 31 in 10 to 80 cm	4 to 55 in 10 to 140 cm	10 to 90 in 25 to 230 cm
Scan rate	200 scans/ sec	35 scans/ sec	35 scans/ sec
Scan angle	40°	42°	30°

## LIGHT

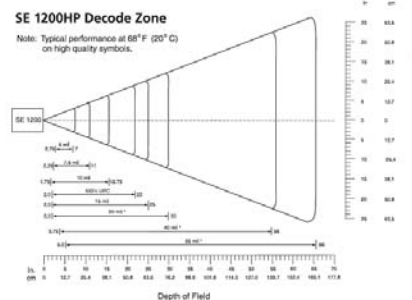
0 to 100,000 lux 4,844 to 86,112 lux 4,844 to 86,112 lux



BTR-L



BTR-LR



BTR-LA

## Available accessory



Charging Cradle