

# 1550C & 1551E

Sabre™ Scanners



- Durable Sabre design withstands the harshest environments
- Only 184 grams (6.5 ounces) for comfort and easy all day use
- Choice of scan engine optics for application flexibility
- Both decoded and undecoded versions available
- Free EasySet™ configuration utility makes initial set up a snap!
- Three year warranty guarantees customer satisfaction

Rough and tough aren't usually equated with comfortable and lightweight, unless you're talking about the Sabre™ 1550C and 1551E laser scanners from Intermec. These hand held laser scanners are built to perform under the harshest conditions, yet they're ergonomic design supports ease of use and comfort for extended periods of scanning.

Boasting a protected laser window and ample protective rubber, these rugged scanners can withstand repeated drops of up to 183 cm (6 feet), wind and rain, off-road vehicle vibration levels and below freezing temperatures. A three year product guarantee ensures customer satisfaction.

Operators will find the well-balanced scanners easy to use in either hand, with large triggers and integrated sites for accurate aiming.

Standard range versions of these scanners read codes as small as 5 mil or as large as 100 mil retro-reflective.

The 1551E, with the Intermec built-in decoder known for its snappy scanning performance, is the first in the Sabre line to offer a high-speed laser version capable of reading both linear and PDF417 barcodes.

EasySet™, a software utility for quick and easy configuration of Intermec scanners, removes the need to page through manuals to simply activate application features. EasySet enables users to quickly and easily configure their scanner online via the PC or by printing and scanning a barcode. Intermec EasySet configuration software ships with all Intermec scanner products and is available free of charge from the Intermec website.

### Physical Description

Sabre 1550C Undecoded Laser Scanner  
Sabre 1551E Decoded Laser Scanner

### Product Contents

Scanner, Easy Set, Operator's Guide and Getting Started Guide

### Warranty

3 years

### Physical Characteristics

**Length:** 8.9 cm (3.5")  
**Height:** 17.8 cm (7.0")  
**Width:** 5.6 cm (2.5")  
**Weight:** 185 g (6.5 oz.) without cable

### Power

**1550C:** -125 mA nominal at 5V  
**1551E:** -215 mA nominal at 5V

### Terminal Connectivity - 1551 only

RS-232c, IBM PC XT/AT or PS/2 30/50-80, DEC VT510/520, DEC VT220/320/420, Apple Mac ADB, RS232 TTL, IBM 3151/347X/317X/318X/319X, IBM Thinkpad, Esprit 200/400, Wyse, Zenith CruisePAD, laptops, and Intermec terminals.

### Bar Code Symbolologies

**1550C:** Undecoded device (dependent on decoder for scanning symbolologies)  
**1551E:** UPC (E&A), EAN, Code 11, Code 39, Code 128, UCC EAN 128, ISBN, ISBT, Interleaved 2 of 5, Codabar, Code 93, MSI, Plessey, Telepen, ISBT 128

### Scanning Performance

**Scan rate:** 36±3 scans per second  
**High Density Laser:** 2 mil  
**Standard Range Laser:** 5 mil

### Scan Range

Dependent on scan engine

#### Standard Range Laser Engine\*:

5 mil/0.13 mm	8.1-14.5 cm	3.2-5.7"
7.5 mil/0.19 mm	7.4-22.6 cm	2.9-8.9"
10 mil/0.25 mm	6.1-34.0 cm	2.4-13.4"
15 mil/0.38 mm	6.1-46.7 cm	2.4-18.4"
20 mil/0.5 mm	8.9-62.2 cm	3.5-24.5"
40 mil/1.0 mm	11.4-99.1 cm	4.5-39"
55 mil/1.4 mm	17.8-124.5 cm	7-44"
70 mil/ 1.8 mm	91-242 cm	36-84"
retro-reflective		
100 mil/ 2.54 mm	112-226 cm	44-89"
retro-reflective		
100% UPC/EAN	2.5-38 cm	1-15"

#### High Density Laser Engine\*:

2 mil/0.05 mm	1.8-3.9 cm	.7-1.8"
5 mil/0.13 mm	3.8-11.9cm	1.5-4.7"
7.5 mil/0.19 mm	2.5-15cm	1-6"
10 mil/0.25 mm	2.5-17 cm	1-7"
15 mil/0.38 mm	2.5-22 cm	1-9"
100% UPC/EAN	2.5-17 cm	1-7"

\*Depth of field measured using Code 39, ANSI Grade A

### Print Contrast

**Standard range:** minimum 25% reflectance difference  
**High density:** minimum 40% reflectance difference  
**Skew:** ±55° from normal  
**Pitch:** ±65° from normal

### Optical Parameters

Visible laser diode  
670nm±10nm (standard range, high density)  
650nm±10nm  
International Class 2

### Ambient Light Immunity

Immune to direct exposure from office level lighting and sunlight

### Environmental

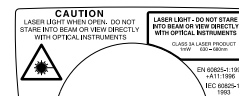
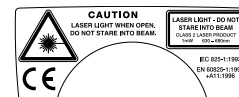
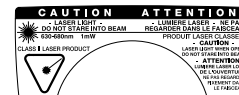
**Operating Temperature:** -30° to 50°C (-22° to 122°F)  
**Storage Temperature:** -40° to 70°C (-40° to 168°F)  
**Humidity:** Non-condensing (0 - 95% RH)  
**Drop Test:** Twenty six 1.8 m (6') drops to concrete  
Sealed against rain and dust (IEC 529 rated at IP54)  
SAE off-road vehicle spec for vibration (Class 3)

### Accessories

Scanner Pouch, Holster and Belt, Vehicle Mount Holder, Wall Mount Holder and Desk Stand Holder

### Regulatory Approvals

UL listed UL 1950 and C22.2 no. 950;  
TÜV Rheinland GS, EN 60950 & EN 60825-1; FCC Part 15; Canada, ICES-003, Class B; EN 55022/CISPR 22, Class B; EN 50082-1; Compliant with all European Directives, CE marked



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