Intermec

Product
Profile

- **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**

SABRE™ 1550 & 1551 SCANNER

Rough and tough aren't usually equated with comfortable and lightweight. Unless you're talking about the Sabre 1550 and 1551, that is. This hand held laser scanner is built to perform under the harshest of conditions—yet it's ergonomically correct.

First, durability: It's the best in the market. Boasting plenty of rubber and a protected window, this rugged scanner can withstand repeated drops of up to 183 cm (6 feet), wind and rain, off road vehicle vibration levels and below-freezing temperatures.

As far as design, operators will find the well-balanced scanner easy to use in either hand; large triggers and integrated sites make aiming a snap.

Performance is just as impressive. Standard range versions can read 5 mil high density code or 100 mil retroreflective code.

Setting up the 1551E scanner is a snap with EasySet™ a software utility for quick and easy configuration of Intermec scanners. No need to page through manuals to turn on application features, with point and click you can print a barcode that configures your scanner with a single scan. Every 1551E comes with EasySet configuration software free of charge.

Last but not least, this scanner is moderately priced and it comes with a three-year guarantee. Need we say more?

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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
1550: -125 mA nominal at 5V
1551: -215 mA nominal at 5V
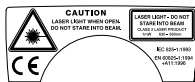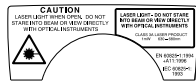
Terminal Connectivity - 1551 only
RS-232c, IBM PC XT/AT or PS/2 30/50-80, DEC VT510/520, DEC VT220/320/420. Apple Mac ADB, RS232 TTL, IBM 3151/347X/317X/318X/319X, IBM Thinkpad, Esprit 200/400, Wyse, Zenith CruisePAD, laptops, and Intermec terminals.

Bar Code Symbologies
1550: Undecoded device (dependent on decoder for scanning symbologies)
1551: 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
Long Range Laser: 10 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"
55 mil/ 1.8 mm retro-reflective	91-242 cm	36-84"
100 mil/ 2.54 mm retro-reflective	112-226 cm	44-89"
100% UPC/EAN	2.5-38 cm	1-15"

Long Range Laser Engine*:

7.5 mil/0.19 mm	27-43 cm	11-17"
10 mil/ 0.25 mm	27.9-98.3 cm	11-19"
15 mil/0.38 mm	20.3-83.8 cm	8-33"
20 mil/0.5 mm	20.3-96.5 cm	8-38"
40 mil/1.0 mm	22.9-190.5 cm	9-75"
55 mil/1.4 mm	22.9-203 cm	9-80"
70 mil/1.8mm retro-reflective	104-150 cm	75-161"
100 mil/2.54 mm retro-reflective	210.8-530.9 cm	83-209"
100% UPC/EAN	27-70 cm	11-28"

Advanced Long Range Laser Engine*:

10 mil/0.25 mm	54-80 cm	21-32"
15 mil/0.38 mm	51-118 cm	20-47"
20 mil/0.5 mm	38-154 cm	15-61"
40 mil/1.0 mm	41-250 cm	16-99"
55 mil/1.4 mm	56-303 cm	21-120"
70 mil/1.8 mm retro-reflective	274-546 cm	108-216"
100 mil/2.54 mm retro-reflective	243-698 cm	96-276"
100% UPC/EAN	54-106 cm	21-42"

High Visibility Laser Engine*:

5 mil/0.13 mm	7.4-11.2 cm	2.9-4.4"
7.5 mil/0.19 mm	4.8-18.8 cm	1.9-7.4"
10 mil/0.25 mm	4.6-22.9 cm	1.8-9"
15 mil/0.38 mm	3.8-35.6 cm	1.5-14"
20 mil/0.5 mm	5.1-48.3 cm	2-19"
40 mil/1.0 mm	10.2-78.7 cm	4-31"
55 mil/1.4 mm	16.5-88.9 cm	6.5-35"
100% UPC/EAN	2.5-40 cm	1-16"

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, high visibility:
minimum 25% reflectance difference
High density, long range :
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
(Long range, high visibility, ALR)
ALR: International Class 3A
USA/Canada Class II
All others: 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; UL listed UL 1604 (Div. 2, Class I, II & III hazardous locations); 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

ADC distribution