

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™ 1550C & 1551E SCANNER

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 Advanced Long Range models read at distances never before available in Sabre products—as far as 8.1 meters (27 feet), making them ideal for warehouse applications involving scans at the highest shelves of pallet racking.

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 in the 1551E. After installing EasySet on a PC, users simply print a bar code from the program, scan it with the 1551E, and the device will be automatically configured. Every 1551E comes with EasySet configuration software free of charge.

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

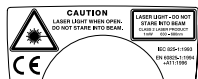
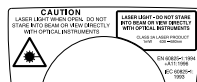
RS-232c, IBM PC XT/AT or PS/2 30/50-80, DEC VT510/520, DEC VT220/320/420. Apple Mac ADB, RS232 TTL, IBM 3151/347X/317X/318X/319X, IBM Thinkpad, Esprit 200/400, Wyse, Zenith Cruise-PAD, laptops, and Intermec terminals.

Bar Code Symbologies

1550C: Undecoded device (dependent on decoder for scanning symbologies)
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
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"
70 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/1.8 mm 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; 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

North America
 Corporate Headquarters
 6001 36th Avenue West
 Everett, Washington 98203
 tel: 425.348.2600
 fax: 425.355.9551

550 2nd Street S.E.
 Cedar Rapids, Iowa 52401
 tel: 319.369.3100
 fax: 319.369.3453

Media Supplies
 9290 Le Saint Drive
 Fairfield, Ohio 45014
 tel: 513.874.5882
 fax: 513.874.8487

Canada
 7065 Trammere Drive
 Mississauga, Ontario
 L5S 1M2 Canada
 tel: 905.673.9333
 fax: 905.673.3974

Europe/ Middle East & Africa
 Headquarters
 Reading International Business Park
 Basingstoke Road
 Reading RG2 6DD
 United Kingdom
 tel: 44.118.923.0800
 fax: 44.118.923.0801

Asia
 Asia Regional Office
 26-16 International Plaza
 10 Anson Road
 Singapore 079903
 tel: 65.6324.8391
 fax: 65.6324.8393

Beijing Representative Office
 29 FL, Unit A1, China Merchant Tower
 118 Jian Guo Road
 Chaoyang District, Beijing 100022
 Tel: 86.10.5165.5922
 Fax: 86.10.6567.6778

Australia
 Level 4, 1-3 Atchison Street
 St. Leonards, NSW 2065
 Australia
 tel: 61.2.9330.4400
 fax: 61.2.9437.0204

South America & Mexico
 Intermec South America Ltda.
 Rua Samuel Morse 120 9 andar
 Brooklin CEP04576-060
 São Paulo, SP
 Brazil
 tel: 55.11.5502.6770

Intermec Technologies de Mexico
 Av Tamaulipas #141, Primer Piso
 Col. Hipodromo Condesa
 Mexico, DF, 06140 Mexico
 tel: 525.55.241.4800
 fax: 525.55.211.8121

Internet
 www.intermec.com

Sales
 800.934.3163
 (toll free in N.A.)
 tel: 425.348.2726

OEM Sales
 tel: 425.348.2762

Customer Service and Support
 800.755.5505
 (toll free in N.A.)
 tel: 425.356.1799

Copyright © 2006 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 608560-01G 04/06

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.





BARCODING, WIRELESS AND DATA COLLECTION

Our customers turn to us to help them become more productive and profitable. TPI's expertise guarantees your project will be successful: on time, on budget and meet your ROI requirements.

TPI will facilitate your entire wireless and data collection project:

- ✓ *Business analysis*
- ✓ *Project justification & ROI*
- ✓ *Wireless design, RF site survey and spectrum analysis*
- ✓ *WWAN, WLAN design & installation*
- ✓ *Custom software*
- ✓ *Integration w/legacy systems*
- ✓ *Mobile computers*
- ✓ *Data collection terminals*
- ✓ *Barcode printers, labels and scanners*
- ✓ *RFID solutions*
- ✓ *Configuration and deployment*
- ✓ *Training and installation*
- ✓ *Service and upgrades*
- ✓ *Remote device management and support*

TPI can share best practices in data collection from a number of industries including wholesale distribution, manufacturing, healthcare and retail/consumer goods. Our expertise allows you to shorten your learning curve and increase your return on investment.

Product specification sheet provided by TPI

www.tpi1.com
888-488-4244

