

HAND HELD SCANNER LINE

Sabre™ **1551E**

Benefits:

- **Durable design withstands the harshest environments**
- **Built-in decoder eliminates separate decoder device**
- **Choice of scan engine optics, including Advanced Long Range and PDF417 engines**
- **Free "EasySet" configuration software makes for quick scanner set-up**
- **Popular scanner and cable kits are easy to order**

Intermec just made scanning even easier! We've kept the same rugged Sabre design that set a new standard for durability, performance, and comfort. With the 1551E, we raised the bar again in ease of ordering and set-up.

Boasting plenty of rubber and a protected window, 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.

Performance is just as impressive. Standard range versions can read as small as 5 mil code or 100 mil retroreflective code. The new Advanced Long Range offering reads at distances never before available in Sabre products - as far as 8.1 meters (27 feet)! Do you need to read PDF417 code? The 1551E is the first Sabre scanner to offer a high-speed laser scanner engine capable of reading both linear and PDF417 barcodes. And all 1551E scanners come with Intermec's built-in decoder, known for its snappy scanning performance.

When referring to Intermec's 1551E hand held scanner, the "E" stands for "Easy"! Every 1551E comes with EasySet configuration software free of charge. There's no need to page through thick manuals to turn on/off features required for your application. With a simple point and click, you print a barcode that configures your scanner with a single scan. And



for ease of ordering, we've packaged scanners and interface cables together under one part number - you receive everything you need in a single box.

Ease, Comfort, Performance, Competitive Price, and a Three-Year Product Guarantee...the 1551E is the Easy choice!

Sabre™ 1551E

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

Optic System:

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
 Scan rate: 36±3 scans per second
 PDF scan rate: 186±13 scans per second bidirectional

Optical Parameters:

Pitch: ±65° from normal
Skew: ±55° from normal

Depth of Field—Standard Range*:

5 mil	8.1-14.5 cm	3.2-5.7"
7.5 mil	7.4-22.6 cm	2.9-8.9"
10 mil	6.1-34.0 cm	2.4-13.4"
15 mil	6.1-46.7 cm	2.4-18.4"
20 mil	8.9-62.2 cm	3.5-24.5"
40 mil	11.4-99.1 cm	4.5-39"
55 mil	17.8-124.5 cm	7-44"
55 mil (retroreflective)	104-150 cm	41-59"
100 mil (retroreflective)	112-226 cm	44-89"

Depth of Field—Long Range*:

10 mil	27.9-98.3 cm	11-19"
15 mil	20.3-83.8 cm	8-33"
20 mil	20.3-96.5 cm	8-38"
40 mil	22.9-190.5 cm	9-75"
55 mil	22.9-203 cm	9-80"
70 mil (retroreflective)	190.5-408.9 cm	75-161"
100 mil (retroreflective)	210.8-530.9 cm	83-209"

Depth of field—High Visibility*:

5 mil	7.4-11.2 cm	2.9-4.4"
7.5 mil	4.8-18.8 cm	1.9-7.4"
10 mil	4.6-22.9 cm	1.8-9"
15 mil	3.8-35.6 cm	1.5-14"
20 mil	5.1-48.3 cm	2-19"
40 mil	10.2-78.7 cm	4-31"
55 mil	16.5-88.9 cm	6.5-35"

Depth of field—Advanced Long Range*:

15 mil	58.4-111.8 cm	23-44"
30 mil	104.1-205.7 cm	41-81"
55 mil	**215.9 cm	**85"
70 mil (retroreflective)	**581.7 cm	**229"
100 mil (retroreflective)	**820.4 cm	**273"

Depth of Field—Linear and PDF417:

Linear*		
5 mil	5.08-8.89 cm	2.1-3.5"
7.5 mil	5.08-15.24 cm	2.1-6"
10 mil	5.08-17.78 cm	2.1-7"
20 mil	**38.10 cm	**15"
40 mil	**46.99 cm	**18.5"

PDF417
 (max. swipe speed is 1.77 in/sec or 44 mm/sec)
 6.6 mil 5.33-12.45 cm 2.1-4.9"
 15 mil 16.76-26.42 cm 6.6-10.4"

Depth of Field—High Density*:

2 mil	1.8-3.9 cm	.7-1.6"
3 mil	3.8-7.0 cm	1.5-2.8"
5 mil	3.8-11.9 cm	1.5-4.7"
13 mil	3.8-14.7 cm	1.5-5.8"

*Depth of field measured using Code 39, ANSI Grade A
 ** Not Specified (depends on code width)

Print Contrast:

Standard range, high visibility -
 minimum 25% reflectance difference
 High density, long range -
 minimum 40% reflectance difference

Ambient Light Immunity:

Immune to direct exposure from office level lighting and sunlight

Operating Current:

215 mA nominal at 5V

Environmental:

Operating Temperature:
 -30° to 50°C (-22° to 122°F)

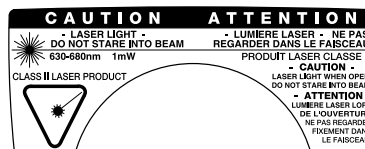
Storage Temperature:
 -40° to 70°C (-40° to 168°F)

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 offroad vehicle spec for vibration (Class 3)



Configurations:

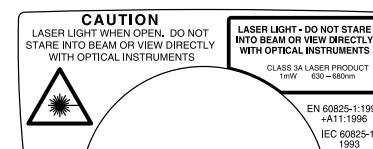
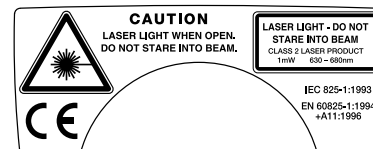
1551E0600 Standard range
 1551E0601 Advanced long range
 1551E0602 Long range
 1551E0604 High visibility
 1551E0605 High density
 1551E0808 Linear & PDF capable

Interface:

RS-232c, IBM PC XT/AT or PS/2 30/50-80, DEC VT510/520, DEC VT220/320/420, Apple Mac ADB, RS232TTL, IBM 3151/347X/317X/318X/319X, IBM Thinkpad, Esprit 200/400, Wyse, Zenith CruisePAD, laptops, and Intermec terminals.

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 A
 EN 55022/CISPR 22, Class A
 EN 50082-1
 Compliant with all European Directives, CE marked



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