

SCANNER

Sabre™ 1550/1551

Benefits:

- **Durable design withstands the harshest environments**
- **Only 184 grams (6.5 ounces) for comfort and easy use**
- **Choice of scan engine optics for application flexibility**
- **Built-in decoder eliminates separate decoder device**
- **Large interface list for easy set-up**



Rough and tough aren't usually equated with comfortable and lightweight. Unless you're talking about the Sabre 1550 and 1551, that is. These handheld laser scanners are built to perform under the harshest of conditions—yet they're ergonomically correct.

First, their durability: It's the best in the market. 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.

As far as design, operators will find the well-balanced scanners 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. Plus the 1551 has a built-in decoder.

Last but not least, these scanners are moderately priced and they come with a three-year guarantee. Need we say more?

Sabre™ 1550/1551

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)

USA/Canada Class II
International Class 2

Scan rate: 36±3 scans per second

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—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

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:

1550 - 125 mA nominal at 5V
1551 - 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 off-road vehicle spec for
vibration (Class 3)

Configurations:

1550C XXYY:

XXYY Undecoded Scanner

Where XX:

- 01 Intermec interface, with auto-trigger
for documentation
- 05 Non-Intermec interface
- 51 Non-Incendive Intermec interface

1551C XYYY:

XYYY Decoded Scanner

Where XX:

- 02 RS232 interface
- 03 POS interface
- 07 Wedge interface

Where YY:

- 00 Standard range
- 02 Long range
- 04 High visibility
- 05 High density

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

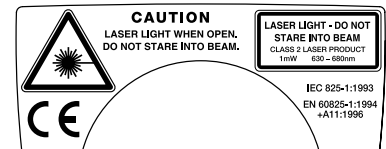
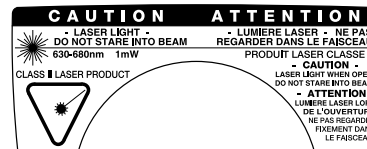
FCC Part 15

Canada, ICES-003, Class B

EN 55022/CISPR 22, Class B

EN 50082-1

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