

productspecifications

physical characteristics

Length

14.7 cm (5.8")

Height

17.0 cm (6.7")

Width

7.6 cm (3.0")

Weight

260 g (9.3 oz.) w/out cable

optics system

Nominal Scan Rate

20 to 35 scans per sec.

Wavelength (nominal)

670 nm

1517, 1519 Maximum Pitch
± 55°

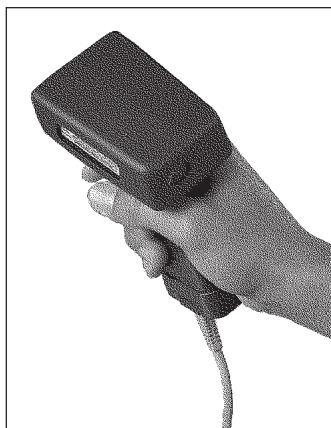
1517, 1519 Maximum Skew
± 65°

1518 Maximum Pitch
± 55°

1518 Maximum Skew
15-45°

operating current

135 mA nominal at 5V



environment

Storage

-40° to 70°C (-40° to 158°F)

Humidity

Non-condensing (5 to 95%)

Electrostatic Discharge

15 kV to any external surface

Drop Test

1.8 m (6') on concrete

Dust and Rain

MIL-STD-810D, Sections 510.2 I

Reliability

Designed for a MTBF of 10,000 hours in normal operating conditions

Operating

1517B05, 1518B02, 1519A06

-30° to 50°C (-22° to 122°F)

Operating

1517B06, 1517B07

-20° to 50°C (-11° to 122°F)

regulatory agency approvals

UL 1950

CSA C22.2 #220-M1986

TÜV to IEC 950

TÜV (except 1517B07, 1518B02)

FCC Part 15 Class A

SOR/88-475 Class A

CDRH Class II Laser
(except 1517B07, 1518B02)

CE marked

TÜV to IEC 825-1 Class II Laser
(except 1517B07, 1518B02)

CDRH Class IIIa Laser
(1517B07, 1518B02)

IEC 825-1 Class IIIB Laser
(1517B07, 1518B02)

product configurations

1517B05

Near & Long Range (paper or retroreflective labels)

1517B06

Extra Long Range (paper or retroreflective labels)

1517B07

Extra Long Range (paper or retroreflective labels)

1518B02

High Visibility

1519A06

High Density

All cables sold separately

CAUTION

LASER LIGHT
DO NOT STARE INTO BEAM



670nm LASER DIODE
1.0 MILLIWATT MAX OUTPUT
CLASS II LASER PRODUCT

DANGER

LASER LIGHT
DO NOT STARE INTO BEAM



670nm LASER DIODE
5.0 MILLIWATT MAX OUTPUT
CLASS IIIa LASER PRODUCT



Not 1517B07, 1518B02; TEC English equivalent labels required

TYPICAL DEPTH OF FIELD WITH PAPER LABELS

BAR CODE SIZE	1517B05*	1517B06*	1517B07*	1518B02	1519A06
2 MIL	—	—	—	—	2.5 to 3.2 CM (1.0 to 1.25")
5 MIL	—	—	—	1.3 to 7.6 CM (.5 to 3")	2.5 to 10 CM (1.0 to 4.0")
7.5 MIL	15 to 25 CM (6 to 10")	—	—	0 to 18 CM (0 to 7")	2.5 to 12.5 CM (1.0 to 5.0")
15 MIL	10 to 81 CM (4 to 32")	70 to 152 CM (2.3 to 5')	70 to 152 CM (2.3 to 5')	0 to 41 CM (0 to 16")	—
40 MIL	20 to 213 CM (8 to 84")	40 to 300 CM (1.25 to 10')	70 to 335 CM (2.3 to 11')	0 to 76 CM (0 to 30")	—
100 MIL	76 to 244 CM (30 to 96")	120 to 400 CM (4 to 13')	122 to 488 CM (4 to 16')	—	—
40 MIL RETROREFLECTIVE LABEL	61 to 250 CM (24" to 8.3')	90 to 340 CM (3 to 11')	140 to 430 CM (4.5 to 14')	—	—
100 MIL RETROREFLECTIVE LABEL	102 to 670 CM (40" to 22')	180 to 1070 CM (6 to 35')	300 to 1070 CM (10 to 35')	—	—

*1517's can also be used with retroreflective labels.



**print!
capture!
connect!**

1517

1518

1519

bar code laser scanners

north america

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