SPECIFICATIONS

PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

Dimensions	1.9 in. H x 1.4 in. W x 1.9 in. D 4.8 cm H x 3.6 cm W x 4.8 cm D
Weight	2.0 oz./56.7 gm
Current	92 mA typical/121 mA max (one LED on)
Standby Current	12 µA typical/60 µA max
Voltage	3.1 VDC to 3.6 VDC

PERFORMANCE CHARACTERISTICS

Light Source	650nm LASER 1.7mW peak power
Scan Rate	92 min., 104 typical, 116 max. scans/sec (bidirectional)

Nominal Working Distance

Density	5 mil	7.5 mil	10 mil	13 mil	15 mil	20 mil	55 mil	100 mil
Code Type	C128	C39	C128	UPC	C128	C39	C39	C39*
Far guaranteed	3.1"	16.8"	15.9"	23.7"	25.0"	43.0"	76.5"	180.0"
Far typical	7.7"	18.5"	19.0"	27.0"	29.5"	52.0"	100.0"	200.0"

Yaw[1]	± 40° from normal
Roll[2]	± 35° from vertical
Pitch[3]	± 65° from normal

USER ENVIRONMENT

Operating Temp.	-22° to 140° F/-30° to 60° C
Storage Temp.	-25° to 160° F/-40° to 70° C
Humidity	5% to 95% non-condensing
Ambient Light Immunity	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED: 450 Ft Candles (4,844 Lux) Sunlight: 10000 Ft Candles (107,640 Lux) **Note:** LED lighting with high AC ripple content can impact scanning performance.
Drop Spec	Multiple 4 ft./1.2 m drops to concrete from -4° to 122° F/-20° to 50° C; multiple 3 ft./0.9 m drops to concrete at -22° F/-30° C
Environmental Sealing	IP54

REGULATORY

Electrical Safety	Certified to CSA C22.2 No. 60950-1, EN60950-1, IEC 60950-1
EMI	FCC Part 15 Class B, ICES-003 Class B, EN 61000-3-2, EN 61000-3-3, CISPR 22 Class B, CISPR 24
Laser Safety	IEC/Class 2/FDA II in accordance with IEC60825-1: (Ed 2.0)/EN 60825-1:2007

*Reflective

1 – Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
2 – Pitch: Controlled by dropping or raising the wrist
3 – Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa