

# 510-2D Digital Scanner Specifications

Model	Description	Interface Cable
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5102D-USB	Integrated USB 2-D Digital Bar Code Scanner	C40 USB
5102D-RS-232	RS-232 Serial Interface 2-D Digital Bar Code Scanner	C39C Serial - Connects to T54, T701 and T802

### Operational

Light Source	635 nm Illumination LED & 650 nm Aiming Laser
Scan Speed	30 frames/sec Image Capture
Scan Angle	Horizontal 32.2° Vertical 24.5°
Minimum Bar Width	5 mil
Print Contrast	25% minimum reflectance differential
Indicators (LED)	Bi-Color LED Green/Decode - Orange/Scan
Beeper Operation	3 Tones, 3 Volume Levels, plus OFF
Scanner Interfaces	USB HID Keyboard or Serial RS-232
Bar Codes Supported (1D)	Code 39, Full ASCII Code 39, Trioptic Code 39, UPC-A, UPC-E, EAN-13, EAN-8, ISBN, Code 93, Code 11, Standard 2 of 5, Interleaved 2 of 5, Codabar, Code 128, UCC/EAN 128, MSI, Plessey, RSS-14 & RSS Variants
Bar Codes Supported (2D)	PDF414, microPDF417, Data Matrix, Maxicode, QR Code, US Postnet, US Planet, plus UK, Japan, Australian and Dutch Postnet Codes

### Physical

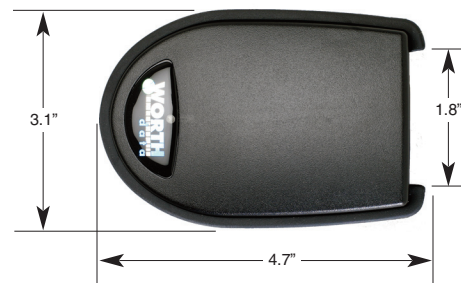
Height	5.6" (142mm)
Depth	4.7" (119mm)
Width	3.1" (79mm)
Weight	8.8 oz - 249g
Cables	C40 USB 6' (1800mm) Straight Cable C39C Serial 2'-5' (610mm -1525mm) Coiled Cable

### Power

Input Voltage	5VDC ± 10%
Power (nominal)	220mA typical, 460mA peak
Laser Class	CDRH class II / IEC class 1
EMC	FCC part 15 class B

### Environmental

Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Humidity	5% to 95% non-condensing
Ambient Light Immunity	Sunlight: 10,000 ft. candles - Indoors: 450 ft. candles
Shock	6' drop to concrete
Warranty	2 Years - Parts & Labor

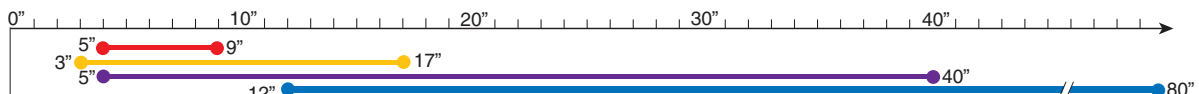


**CAUTION**  
LASER LIGHT WHEN OPEN  
DO NOT STARE INTO BEAM  
CLASS II LASER PRODUCT  
IEC CLASS 2 LASER PRODUCT  
680 nm LASER • 1.0 MILLIWATT MAX OUTPUT

COMPLIES WITH US DHS 21 CFR 1040.10 SUBCHAPTER J AND IEC 225-1:1993/EN60825. ACHTUNG LASERSTRAHL. LASERKLASSE 2. NICHT IN DEN STRAHL BLICKEN. LUMIERE LASER - NE PAS REGARDER DANS LE FAISCEAU APPAREIL A LASER DE CLASSE 2.

WORTH DATA INC. • SANTA CRUZ, CA

### Scan Range for 510-2D Digital Scanner



● 6 mil narrow bar width ● 10 mil narrow bar width ● 40 mil narrow bar width ● 100 mil narrow bar width



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