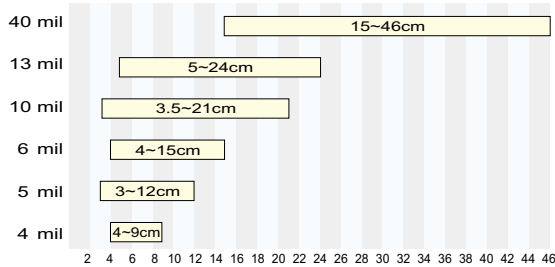


SPECIFICATIONS

Optical

Scan Zone (Based on 90% code 39 barcode)



Nominal scan rate	100 scans/sec
Wavelength	660nm±10nm for CCD
Maximum pitch	±65 degrees
Maximum skew	±50 degrees
Photo sensor	3,648 pixels CCD

Engineering Design

Power source	+5VDC, ±5%
Processor	Intel 80C31
Decoder	Proprietary
Body material	ABS
Current consumption	220mA
Weight	160g (except cable)
Shock resistance	1 meter drop onto concrete

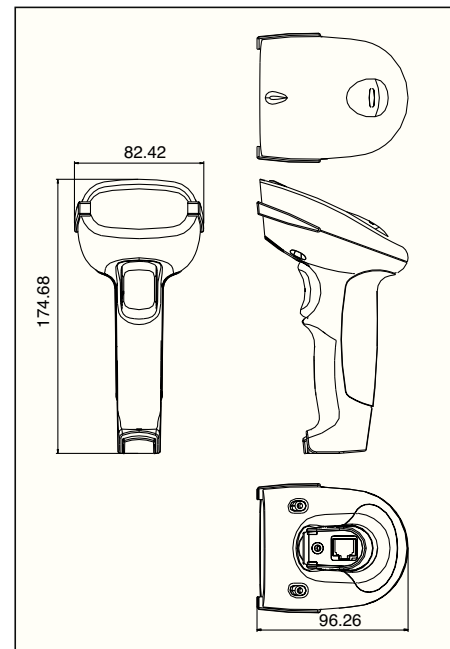
Operating Environment

Operating temperature	0°C to 50°C
Storage temperature	-20°C to 65°C
Relative humidity	5% to 95% noncondensing
EMI emission	FCC class A
Ambient light	3,000 to 8,000 lux
Connectivity	DB9, DB25, AMP, DIN5, Mini-Din6, and etc.

Readable Barcodes

Code 39, Full ASCII Code 39, UPC/EAN/JAN, CODABAR, Interleaved 2/5, Code 128, Code 11, Code 93, MSI/PLESSEY, Code 4, and etc.
Special code can be requested.

DIMENSIONS



Interfaces

TS-4500K	Keyboard Wedge
TS-4500R	RS-232
TS-4500U	USB
TS-4500W	Wand Emulation
TS-4500T	TTL (undecoded)



Manufacturer

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*Barcode Hand-held Scanner with extra long range reading performance
Extra-range CCD engine can be upon OEM request*

TS-4500 Series



TYSSO®

Insist on the Best



Extra Long Range CCD

FEATURES

- High quality and high performance
- Full featured and full function
- Wave length: 660nm
- Scan speed: 100 scans per second
- Reading depth: 3cm up to 45cm, depend on different resolutions
- Reading width: Up to 14.5cm
- Reading PCS: 0.45 or larger reflection factor of space and margin
- Interfaces support: Keyboard wedge, RS-232, Wand emulation, TTL, OCIA, USB, etc.
- Full functions of built-in decoder, software configuration.
- Auto-discriminates among all common barcode symbologies.