

## Chapter 3

# Maintenance and Specifications

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## Maintenance

Cleaning the exit window is the only maintenance required. A dirty window may affect scanning accuracy.

- Do not allow any abrasive material to touch the window.
- Remove any dirt particles with a damp cloth.
- Wipe the window using a tissue moistened with ammonia/water.
- Do not spray water or other cleaning liquids directly into the window.
- Do not remove the nose of the scanner.

## What If...

**Nothing happens when you follow the operating instructions.**

### You should

- Check that you are using the correct interface cable.
- Make sure the scanner is programmed to transmit to the correct type of host terminal. Refer to *Chapter 2: Scanning with the LT 1850*.
- Check for loose cable connections.
- Make sure the symbol is not defaced.
- Try scanning test symbols of the same code type.

**Note:** If after performing these checks, the symbol still does not scan, contact your distributor or call the Symbol Support Center. See *Symbol Support Center* on page ii for telephone number.

## Accessories

### Standard Accessories:

Part Number	Description
70-08045-0X	LT 1850 Product Reference Guide
70-16180-0X	LT 1850/1880 Quick Reference Guide
50-01400-184	Shipping Box

### Straight Cables:

25-06755-01	Standard Straight Cable
25-06865-01	Direct Connect - ICL 9505/7 (DB25 Male R Data = Pin 11)
25-06864-01	Direct Connect - NCR 7052/3 (10 Pos Compushield)
25-06866-01	Direct Connect - Nixdorf 8812-200

### Coil Cables:

Part Number	Power Supply Required?	Description
25-05637-01	Yes	ICL 9505/9507/9518-XX
25-05818-01	No	ICL 9520/50
25-05641-01	Yes	NCR 1255/7051
25-05639-01	Yes	NCR 2126-1120
25-05642-01	Yes	NCR 2126-1320
25-05694-01	No	NCR 2152
25-05638-01	Yes	NCR 2154/2155/2157/7050
25-05640-01	Yes	NCR 2257/2950
25-05268-01	No	NCR 7052/7053 (OCIA)
25-05636-01	No	Nixdorf 8812-200

### Power Supplies:

Part Number	Description
50-04000-081	117V Input, 5V Output Power Supply
50-04000-083	220/240V Input, 5V Output Power Supply

## Optional Items:

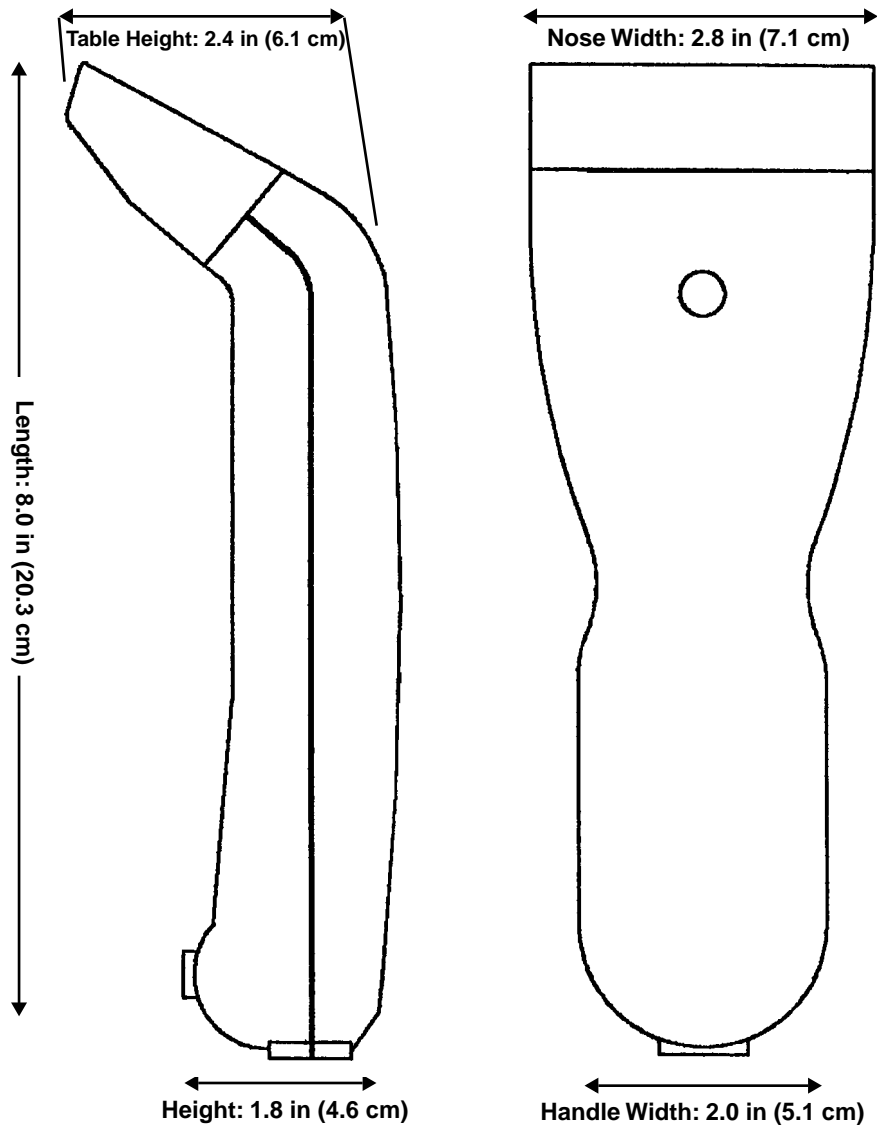
Optional items, supplied at extra cost, include additional units from the list of Standard Accessories and the following items:

<b>Part Number</b>	<b>Description</b>
20-12769-01	Hands-Free Stand - Desk Mount (non-adjustable)
20-08414-01	Hands-Free Stand - Free Standing (adjustable)
20-08415-01	Hands-Free Stand - ECR Mount (adjustable)
21-08288-02	Desk-Mount Stand
23-08253-01	Wall-Mount Stand
20-08416-01	Holster/Belt Clip

## Technical Specifications

ITEM	DESCRIPTION
<b>Power Requirements</b>	5 VDC $\pm 10\%$ ; 120 mA average current (160 mA peak)
<b>Decode Capability</b>	The LT 1850 can be programmed to decode the following code types: Code 39, UPC/EAN, Interleaved 2 of 5, Code 128. Full autodiscrimination as required.
<b>Beeper Operation</b>	User-selectable: Enable, Disable
<b>Beeper Volume</b>	User-selectable: Full Volume, Low Volume
<b>Decode Depth of Field</b>	Maximum typical working distance is 5.0 in. (12.70 cm) (100% UPC/EAN); minimum element width resolution is 5.5 mils
<b>Scan Repetition Rate</b>	40 ( $\pm 3$ ) scans/sec (bidirectional)
<b>Skew Tolerance</b>	$\pm 35^\circ$ min. (from normal)
<b>Pitch Tolerance</b>	$-20^\circ$ to $+60^\circ$ (from normal)
<b>Print Contrast Minimum</b>	25% minimum reflectance differential, measured at 675 nm.
<b>Ambient Light Immunity</b>	Immune to direct exposure to normal office and factory lighting conditions, as well as direct exposure to sunlight.
<b>Durability</b>	5 ft (152 cm) drops to concrete
<b>Operating Temperature</b>	32° to 104°F (0° to 40°C)
<b>Storage Temperature</b>	-40° to 140°F (-40° to 60°C)
<b>Straight Cable Length</b>	6 ft (183 cm)
<b>Weight (without cable)</b>	6.0 oz (170 gm)

# LT 1850 Dimensions



## LT 1850 Signal Descriptions

The following signal descriptions apply to the connection between the scanner and the cable, and are for reference only.

PIN	SIGNAL NAME	FUNCTION
1	<b>RDATA Return</b>	Completes the current path for the RDATA signal.
2	<b>Power (+5 V)</b>	This pin is used to input a +5 V power supply.
3	<b>Ground</b>	Power supply and signal ground return line.
4	<b>RDATA</b>	This signal is used to serially transfer a character from the scanner to the POS terminal.
6	<b>CLOCK Return</b>	Completes the current path for the CLOCK signal.
7	<b>CLOCK</b>	This signal is used by the POS terminal to send clock signals to the scanner.

