LS-7510-E

LS-7510-C

LS-7510-SS-C

LS-7510-SS-E

LS-7510-SS-P-E

LS-7510-SS-P-C

LIBERTY SCALES INC
Precision Beyond Imagination

SPECIFICATIONS

- **Display:** LCD or LED; 1in. x 6 digit numeric
- **Units:** lb, kg (primary), oz, g
- **Accuracy Class:** 5,000 e
- **Resolution:** 120,000 dd industrial; 10,000 dd HB44
- **Excitation Voltage:** 5V DC
- **Largest output current:** 120 mA
- **Excitation circuit:** 5 VCD, 4 wire connections
- **Load Cell:** 6 load cells of 350 Ω maximum
- **Load Cell Excitation:** 5 ± 0.5VDC
- **Display Resolution:** 30,000; ADC: 2,000,000
- **Zero Stability Error:** TKspn < ± 6 ppm//K
- **Sensitivity (internal):** 0.3 µV/d
- **Input voltage:** -30 to +30mV DC
- **Power:** 100~240VAC @ 50/60Hz
- **Power Consumption:** 5W @9VDC
- **Operating Temp.:** 14 °F to 104 °F (-10 °C to +40 °C)
- **Internal Resolution:** 24 bit A/D Sigma-Delta; 1,048,000 d
- **Display Increment:** Selectable 1, 2, 5, 10, 20, 50
- **Decimal Point:** Selectable 0, 1, 2, 3, 4
- **Conversion Rate:** 12 samples / second typical
- **Analog Signal Input Range:** 1mV / V to 3mV/V
- **Analog Signal Sensitivity:** 0.1 uV / graduation (min)
- **Measurement Rate:** 0~15mV
- **Auto Zero Tracking:** 0 - 5 dd increments
- **NTEP COC #:** 22-027

FEATURES

- Indicator is constructed with a Painted Steel, Stainless Steel or IP67 NEMA 4X Washdown Stainless Steel enclosure
- AC adapter included (Battery is optional)
- Available in LCD and LED (both)
- Gross/Tare/Pre-Set Tare/Zero
- Multiple Hold functions
- Count weighing
- Accumulation weighing
- Overload / Underload alarm
- Power saving mode
- Automatic date and time update
- Ability to modify gravity based on different
- geographical locations 100% manual zero range setting
- Automatic error warning alarm
- Splash proof keyboard and display
- Connects to a remote display
- Connects to multiple printers
- NTEP approved for 5,000 divisions
- Displays up to 50,000 graduations
- 2 port Indicator (for weigh bars or 2 scales connection)
- Mounting bracket and Hardware (included)
- Full Duplex RS-232 Serial Port
- 5 year warranty

OPTIONAL FEATURES

- LED or LCD display option
- Stainless steel or mild steel casing
- NEMA 4X Washdown casing
- Relay & Analog output
- 6V Rechargeable Battery
- Data Logging Software
- Wireless capability

ACCESSORIES

- Thermal Ticket Printer
- Label Printer
- Zebra Label Printer
- Remote Display
- Indicator Stand
- Stainless steel enclosure
- I/O Card to control external system

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MODELS	DISPLAY	CASING	IP	POWER	CONNECTION	SHIPMENT WEIGHT
MILD STEEL						
LS-7510-E-01	LED	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-C-01	LCD	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-E-02	LED	Mild Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
LS-7510-C-02	LCD	Mild Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
STAINLESS STEEL						
LS-7510-SS-E-11	LED	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-SS-C-11	LCD	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-SS-E-12	LED	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
LS-7510-SS-C-12	LCD	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	5 lbs
WASHDOWN						
LS-7510-SS-E-13	LED	NEMA 4, Stainless Steel	66	Power Supply Only	Quick Disconnect	7 lbs
LS-7510-SS-C-13	LCD	NEMA 4, Stainless Steel	66	Power Supply Only	Quick Disconnect	7 lbs
LS-7510-SS-E-23	LED	NEMA 4, Stainless Steel	66	Power Supply & Battery	Hardwire	7 lbs
LS-7510-SS-C-23	LCD	NEMA 4, Stainless Steel	66	Power Supply & Battery	Hardwire	7 lbs
WITH BUILT-IN THERMAL PRINTER						
LS-7510-SS-P-E	LED	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	8 lbs
LS-7510-SS-P-C	LCD	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	8 lbs
LS-7512-SS-P-E	LED	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	8 lbs
LS-7512-SS-P-C	LCD	Stainless Steel	65	AC Adapter & Battery	Quick Disconnect	8 lbs
WITH 4-20MA ANALOG OUTPUT						
LS-7510-E-A/O	LED	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-C-A/O	LCD	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-SS-E-A/O	LED	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-SS-C-A/O	LCD	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
WITH 0-5V RELAY OUTPUT						
LS-7510-E-R/O	LED	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-C-R/O	LCD	Mild Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-SS-E-R/O	LED	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs
LS-7510-SS-C-R/O	LCD	Stainless Steel	65	AC Adapter	Quick Disconnect	5 lbs