

**General specification:**

Liquid crystal display (LCD): 5 digits  
models LLX-0.25 to LLX-TR5: 0.75 in. (19 mm) digits  
models LLX-12.5 to LLX- TR100: 1 in. (25 mm) digits  
models LLX-TR250: 1.75 in. (44 mm) digits

Ambient temperature range: 14° F to 120° F (-10° C to 50° C)

Temperature compensation: automatic zero adjustment when equipment free on any load is switched ON

Weatherproof and dustproof: IP65

Material: body in aluminum alloy

Finish: adonized black

Power supply: Dynafor: 3 X 1.5 V, AA (standard or rechargeable batteries)

Battery life: 250 hours, with fully charged batteries (alkaline)

Portable hand set: 2 x 1.5V, AA (standard or rechargeable batteries)

Battery life: 150 hours, with fully charged batteries (alkaline)

Accuracy:  $\pm 0.2\%$  of capacity, not for commercial use

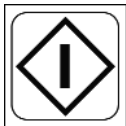
Operating coefficient: 4

Power consumption: variable, depending on the setting of the functions



**Push button controls:**

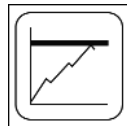
- ON/OFF (T1)
- Tare (up to 100% of capacity) (T2)
- Peak hold (T3)



T1



T2



T3



**Automatic functions:**

- Automatic zero when switched on
- Low battery signal on display
- Overload indication on display

**Adjustable functions (using a sequence of operations of the push-buttons):**

Choice of unit measurement: unit display (kg, t, short ton, lbs., daN, kN)

- Automatic shutdown after 20 minutes with no addition/reduction of load
- Response rate of the display
- To connect do Dynafor® printer

**Option:**

- RS232 for connection to PC, printer, etc.
- Portable Dynafor® printer: customized print-out with date and time.

**Operation:**

The Dynafor LLX-TR operates in one direction only:

- the Dynafor LLX-TR transmits the signal of the load applied.
- the hand set receives and displays the signal
- the hand set is fitted with an infra-red transmitter to switch ON/OFF the Dynafor LLX-TR, which is fitted with an infra-red receiver and "Tare" and "Peak Hold" functions.

The Dynafor LLX-TR itself may be used in the same way as the standard unit (LLX). The front soft-touch push-button controls have the same functions.

The portable hand-held receiver picks up the signal from the Dynafor-LLX-TR and displays the load on the integrated LCD. The unit of measurement flashes to confirm that the signal is being received. Should the hand held receiver be beyond the range of the signal, the unit of measurement stops flashing, the last received value of load applied to the Dynafor LLX-TR is held for a few seconds on the display and then the display passes to the test mode with all the segments showing. When the receiver comes within range again, the display will show the load applied and the unit of measurement will flash.

The portable hand-held receiver has the "Tare" and "Peak Hold" functions which operate on the signal received, but does not affect the Dynafor itself. You will appreciate that since the hand set is processing the signal received from the unit, the response rate of the "Peak Hold" function is governed by the response rate set at the Dynafor LLX itself. If the unit is set at C2-2 (display updated every second) the hand set can only update at the same rate, even if the "Peak Hold" function has been operated.

An infra-red transmitter in the portable hand set allows the operator to switch off the Dynafor LLX-TR, by pressing the ON/OFF button on the hand set. On the front of the Dynafor LLX-TR, there is an infra-red receiver, which should not be obstructed to allow it to operate.

**Transmission specifications:****Radio transmitter:**

- U.H.F. transmitter: 433.92 Mhz
- F.M. modulation: 4 KHz max
- aerial output: 10 mW with 50 aerial

**Radio receiver: 433.92 Mhz**

- intermediate frequency: 10.7 khz
- sensitivity: 2 - 0.24 uV
- range of 131-197 ft., depending on the ambient conditions

**Infra-red transmitter:**

- range of 33 ft., depending on the lighting conditions and the line of sight.

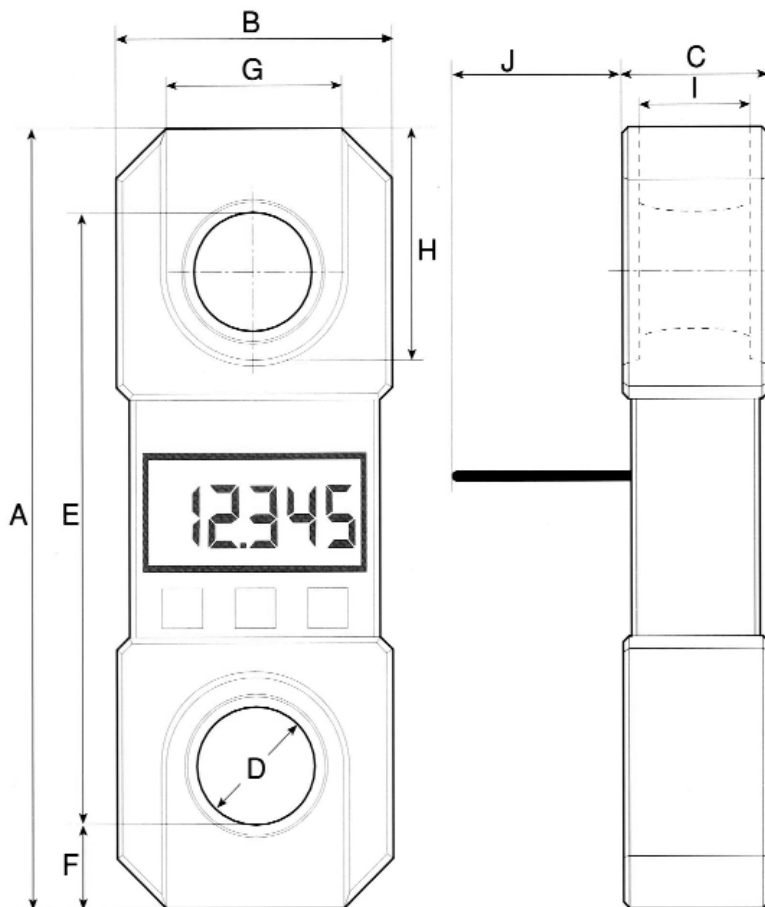
**Hand-set:**

- dimensions (in.): 6.7 x 3.3 x 1.5
- weight: 0.6 lbs.
- display (L.C.D.) 5 digits height 0.7 in.

**Option:**

- 418 Mhz frequency





Model		LLX-0.25	LLX-0.5	LLX-1.25	LLX-2.5	LLX-5	LLX-12.5	LLX-25	LLX-50	LLX-100	LLX-250
Capacity	lbs.(t)	500 (0.25)	1,000(0.5)	2,500(1.25)	5,000(2.5)	10,000 (5)	25,000(12.5)	50,000(25)	(50)	(100)	(250)
Accuracy	±lbs.(kg)	1 (0.5)	2 (1)	5 (2.5)	10 (5)	20 (10)	50 (25)	100 (50)	200 (100)	0.2 t	0.5 t
Smallest load increm.	lbs.(kg)	0.2 (0.1)	0.4 (0.2)	1 (0.5)	2 (1)	4 (2)	8.4 (4.2)	14.5 (7.25)	33 (16.5)	0.1 t	0.2 t
Test load	t	0.5	1	2.5	5	10	25	50	85	145	333
Max. display	t	0.25	0.50	1.25	2.5	5	12.5	25	50	100	250
Height of digits	in. (mm)	.075 (18)	.075 (18)	.075 (18)	.075 (18)	.075 (18)	1 (25)	1 (25)	1 (25)	1 (25)	1.75 (44)
Weight	lbs. (kg)	2.5 (1.1)	2.5 (1.1)	2.5 (1.1)	3 (1.4)	4 (1.9)	8.4 (3.8)	14.5 (6.6)	33 (15.1)	101 (46)	474 (215)
Material Aluminum alloy											
Dimensions	in. (mm)	A	B	C	D	E	F	G	H	I	J
		7.5 (190)	3.2 (83)	2.2 (56)	0.63 (16)	6.5 (166)	0.5 (12)	1.9 (47)	1.7 (43)	0.63 (16)	6 (150)
		7.5 (190)	3.2 (83)	2.2 (56)	0.63 (16)	6.5 (166)	0.5 (12)	1.9 (47)	1.7 (43)	0.63 (16)	6 (150)
		7.5 (190)	3.2 (83)	2.2 (56)	0.95 (24)	7.2 (184)	0.6 (15)	1.9 (47)	2 (50)	1 (25)	6 (150)
		8.4 (214)	3.2 (83)	2.2 (56)	1.3 (32)	7.75 (197)	0.6 (14.5)	2.1 (54)	2.3 (58)	1.3 (32)	6 (150)
		9.2 (226)	3.5 (90)	2.2 (56)	1.3 (32)	7.75 (197)	0.6 (14.5)	2.1 (54)	2.3 (58)	1.3 (32)	6 (150)
		12.2 (310)	4.3 (110)	2.3 (58)	1.9 (47)	9.5 (243)	1.3 (33.5)	2.75 (70)	3.6 (92)	1.9 (48)	6 (150)
		14.1 (360)	5.3 (134)	2.7 (68)	2.2 (56)	10.7 (272)	1.7 (44)	3.3 (84)	4.5 (114)	2.3 (58)	6 (150)
		17.3 (440)	6.5 (164)	3.9 (98)	2.8 (72)	13 (332)	2.1 (54)	4 (104)	5.6 (142)	3.4 (86)	6 (150)
		26 (660)	10.2 (260)	4.7 (118)	4.25 (108)	19.2 (488)	3.4 (86)	6.9 (174)	8.9 (227)	4 (104)	6 (150)
		35.6 (905)	16.7 (424)	9.8 (248)	5.9 (150)	27 (685)	4.3 (110)	9.8 (250)	12.2 (310)	7.5 (190)	6 (150)

