

dynafor[®]

LCD load indicating devices

**LLX range
with microprocessor**

- new design with new technology
- 10 models:
250 kg to 250 tonnes
- up to 250 hours operation,
- push-button controls
- 100 % tare
- peak hold
- automatic shut-down
- numerous other important features and improvements





The new DYNAFOR LLX range of load indicating devices are highly accurate instruments for measuring tensile forces, suitable for many applications: transport and construction industries; testing and safety organisations; monitoring lifting equipment and load-checking goods in and out. The DYNAFOR principle is the movement of a material within its elastic limit, using bonded strain gauges to give an electrical signal under strain, relative to the load applied, which is instantly displayed on the LCD.

DYNAFOR LLX load indicators use up-to-the-minute technology with micro-processor based electronics, allowing new functions and systems as standard features.

Operation and set up of the DYNAFOR are by the 3 push-button controls on the front of the unit.

- accuracy to $\pm 0.2\%$ of capacity; reliable operation; compact and robust construction.
- up to 250 hours operation before battery change, with low battery indicator and automatic shutdown to save battery power.
- 10 models: new range of capacities from 250 kg to 250 tonnes, to suit many applications and overhead travelling cranes.
- automatic zero of the unit when switched on.
- choice of unit of measurement: kg, tonnes, lbs, short tons, daN or kN, displayed on the LCD.
- peak hold facility.
- 100 % tare, with return to total load applied.
- overload displayed to help prevent accidents and overloading the equipment and systems.
- output for connection to hand-held display or PC.
- ambient temperature range: -10°C to $+50^{\circ}\text{C}$.
- weatherproof and dustproof: IP65.

DYNAFOR
the new shape of load measurement today!

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	t	0,25	0,50	1,25	2,5	5	12,5	25	50	100	250
Accuracy($\pm 0.2\%$)	$\pm\text{kg}$	0,5	1	2,5	5	10	25	50	100	200	500
Smallest load	kg	0,1	0,2	0,5	1	2	5	10	20	50	100
Test load	t	0,5	1	2,5	5	10	25	50	85	145	333
Max. display		250.0	500.0	1250.0	2500	5000	12500	25000	50000	100.00	250.00
Height of digits	mm	18	18	18	18	18	25	25	25	25	44
Dimensions	mm	190x83x56	190x83x56	190x83x56	214x83x56	234x90x56	310x110x58	360x134x68	440x164x98	660x260x118	905x424x248
Weight	kg	1,1	1,1	1,1	1,4	1,9	3,8	6,6	15,1	46,0	215

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dynafor®

LCD load indicating devices

**MWX range
with microprocessor**

- new design with new technology
- models from 0.25 t to 12.5 t
- push-button controls
- peak hold
- 100 % tare
- large 44 mm LCD
- infra-red controls
- numerous other important features and improvements



DYNAFOR

the new shape of check-weighing and load measurement today !

DYNAFOR MWX MINIWEIGHERS: micro-processor based electronics with new standard functions and systems.

Functions:

- operation and set up by 3 push-button controls: ON/OFF, 100 % tare, with return to total load applied, and peak hold, to show the maximum load applied.
- up to 700 hours operation before battery change, with low battery indicator and automatic shutdown after 20 minutes to save battery power.
- choice of unit of measurement: kg, tonnes, lbs, short tons, daN or kN, displayed on the LCD.
- overload displayed to help prevent accidents and overloading the equipment and systems.
- automatic zero when switched on.
- output for connection to hand held display and controls, to P.C. or interface for processing or printing the information.
- variable response rate, to save battery power.

Features:

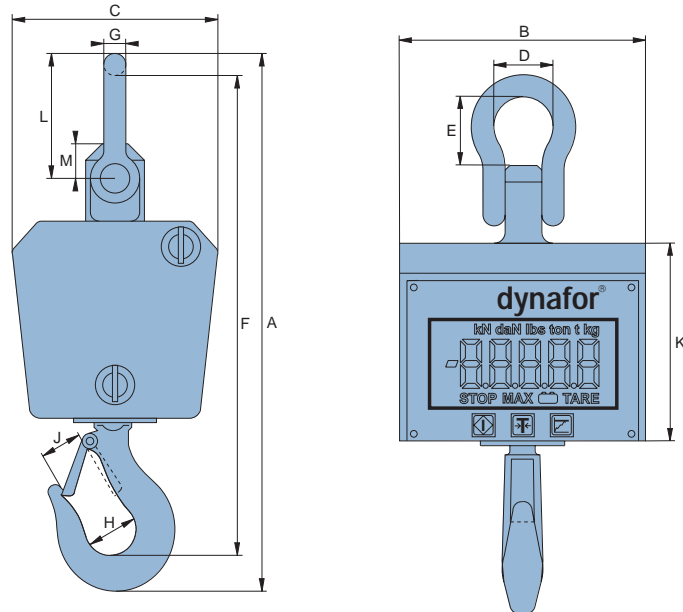
- accuracy to $\pm 0.2\%$ of capacity.
- reliable operation, compact and robust construction.
- ambient temperature range -10°C to $+40^{\circ}\text{C}$.
- weatherproof and dustproof (IP65).
- large top shackle and bottom hook.
- lightweight aluminium alloy body.

Options:

- model (MWX-IR) with infra red controls (OFF, tare, peak hold).
- hand held display, with integrated push-button controls (ON/OFF, tare, peak hold).

The DYNAFOR MWX MINIWEIGHER range of load indicating devices with large 44 mm LCD are highly accurate instruments for load checking goods and materials, for check-weighing fabricated objects, and measuring tensile forces. They are suitable for many check-weighing uses in industry, on sites, in safety laboratories or on test benches.

The DYNAFOR principle is the movement of a material within its elastic limit, using bonded strain gauges to give an electrical signal under strain, relative to the load applied, and displayed on the LCD.



Modèle		MWX-2.5	MWX-5	MWX-12.5	MWX-25	MWX-50	MWX-125
Capacity	t	0,25	0,5	1,25	2,5	5	12,5
Accuracy (0,2 %)	-kg	0,5	1	2,5	5	10	25
Smallest load increment	kg	0,1	0,2	0,5	1	2	5
Test load	t	0,5	1	2,5	5	10	25
Maximum display	kg	250.0	500.0	1250.0	2500	5000	12500
Hauteur des chiffres	mm	25	25	25	44	44	44
Height f digits	kg	4,7	4,7	4,7	7	8,5	21
Weight		Aluminium alloy					
Dimensions	mm A	440	440	440	440	520	700
	B	138	138	138	200	200	200
	C	160	160	160	177	177	205
	D	50	50	50	50	68	98
	E	62	62	62	56	75	115
	F	390	390	390	391	449	600
	Ø G	20	20	20	19	25	38
	Ø H	45	45	45	45	53	75
	J	32	32	32	32	40	57
	K	166	166	166	166	166	166
L	109	109	109	102	135	205	
M	27	27	27	27	35	47	



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handifor®

electronic mini-weigher
20 - 50 - 100 kg



- **digital display**
- **accurate readout**
- **compact and lightweight**
- **long battery life**



handifor®

Capacities: 20 kg, 50 kg and 100 kg

The handifor® is a measuring device to indicate forces or loads..

Its features:

- digital display, instant and accurate
- lightweight, compact and ergonomic design
- long battery life - up to 100 hours
- ideal for difficult conditions
(problem of access, sloping ground, etc...)
- supplied in a pocket cover with belt attachment, batteries and anchor hooks

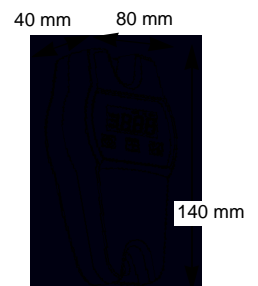
Hand held, you will appreciate the HANDIFOR for:

- ❖ load checking wherever required
- ❖ check weighing packages (despatch, courier ...)
- ❖ checking fire extinguishers
- ❖ check weighing for hunting and fishing
- ❖ measuring materials in laboratories
- ❖ checking loads in industry, repair and maintenance workshops

In accordance with CEM

requirements on electromagnetic compatibility
Directive 89/336/CEE and European standards EN 55022
and EN 50082.2

◆ For larger loads, 250 kg to 250 t, please ask for our descriptive brochure on DYNAFOR load indicators.



Diameter of anchor points 10 mm

Headroom (lost height under hook) 120 mm

Accuracy +/- 0.8%

LCD display with 13.5 mm digits

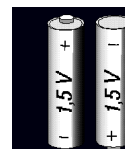
Operating temperature range 0°C to 40°C

ABS-PC casing

Weight 220 g, including batteries

2 batteries, 1.5V, AA/R6 type

Battery life up to 100 hours



- T1: On/OFF and automatic reset to zero
- T2: push button automatic tare
- T3: Peak hold Automatic calculation in mass or force (g = 9.80665)