

The Dynafor® Industrial, designed and manufactured by Tractel, is a versatile and robust digital dynamometer, used in various weighing and force measurement applications.

Based on the principle of strain gauge extension measurement, the sensor generates an electrical signal which is processed and analyzed by a built-in microprocessor, which transmits the information to the integrated display.

Compatible with standard bow shackles, the Dynafor® Industrial ensures a perfect implementation in your applications.

APPLICATIONS

- Overhead weighing
- Force measurement testing
- Towing applications
- Safety and lifting applications

FUNCTIONS

The Dynafor® Industrial is a complete autonomous digital dynamometer with integrated functions:

- On/Off
- Tare
- Peak hold
- Units change: kg, daN, lb.
- Automatic zeroing
- Automatic stop without load or variation (20 min). Removal of automatic stop available as option

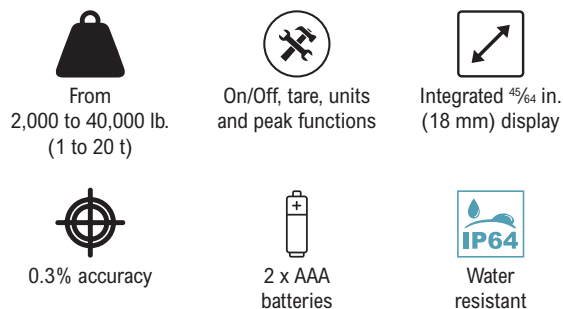
ACCESSORIES

The Dynafor® Industrial is compatible with:

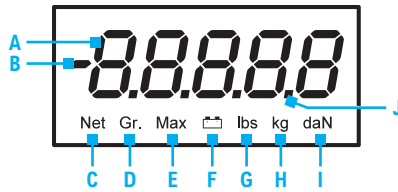
- Standard bow shackle and swivel hooks

APPLICABLE STANDARDS

- Machinery
 - 2006/42/CE
- EMC
 - EN61326-1 (2013)
 - IEC 61311 (2007)

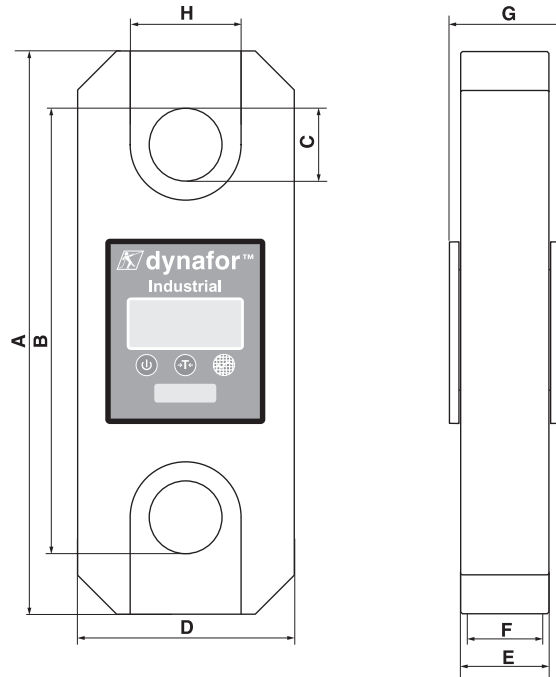


TECHNICAL CHARACTERISTICS



DESIGNATION

A	Strain value
B	Measurement sign
C	NET indicator (net value of the measurement)
D	GROSS indicator (gross value of measurement)
E	Peak Load Indicator
F	Battery Indicator
G	lbs unit indicator
H	kg Unit indicator
I	daN unit indicator
J	Decimal point



MODEL	Industrial 1 t	Industrial 3.2 t	Industrial 6.3 t	Industrial 12.5 t	Industrial 20 t	
CODE	260889	260899	260909	260919	260929	
EAN CODE	3600232608899	3600232608998	3600232609094	3600232609193	3600232609292	
MAXIMUM CAPACITY	2,000 lb. (1 t)	6,400 lb. (3.2 t)	12,600 lb. (6.3 t)	25,000 lb. (12.5 t)	40,000 lb. (20 t)	
SAFETY COEFFICIENT	Minimum 4					
MINIMUM LOAD	10% of maximum capacity					
PRECISION	0.3% at 70°F (21°C) full scale					
	6.2 lb. (3 kg)	21.2 lb. (9.6 kg)	41.7 lb. (18.9 kg)	82.7 lb. (37.5 kg)	132.3 lb. (60 kg)	
RESOLUTION	2 lb. (1 kg)	4 lb. (2 kg)	10 lb. (5 kg)	20 lb. (10 kg)	40 lb. (20 kg)	
SAMPLE RATE	3 Hz – 32 Hz in “Peak Hold Mode”					
MAXIMUM DISPLAY	110% of maximum capacity					
DIGITS HEIGHT	45⁄64 in. (18 mm)					
UNITS	kg / daN / lb.					
CONVERSION FACTOR	1 kg = 0.98083 daN = 2.20462 lb.					
AUTONOMY	250 hours					
NET WEIGHT	1.7 lb. (0.75 kg)	2.1 lb. (0.93 kg)	3.2 lb. (1.44 kg)	7.1 lb. (3.22 kg)	11.2 lb. (5.1 kg)	
IP PROTECTION	IP 64					
WORKING TEMPERATURE	-4°F to 120°F (-20°C to 50°C)					
SENSOR MATERIAL	Aluminium					
BATTERIES	2 x AAA					
DIMENSIONS	A	7 ³³ ⁄64 in. (191 mm)	7 ³³ ⁄64 in. (191 mm)	9 ¹⁹ ⁄64 in. (236 mm)	10 ²⁹ ⁄32 in. (277 mm)	13 ¹⁵ ⁄32 in. (342 mm)
	B	6 ²⁹ ⁄64 in. (164 mm)	6 ²⁹ ⁄64 in. (164 mm)	7¼ in. (184 mm)	5 ⁵⁷ ⁄64 in. (226 mm)	10 ²⁵ ⁄64 in. (264 mm)
	C	55⁄64 in. (22 mm)	55⁄64 in. (22 mm)	1 ⁷ ⁄64 in. (28 mm)	1 ²¹ ⁄32 in. (42 mm)	2⅛ in. (54 mm)
	D	3 ⁹ ⁄32 in. (83.5 mm)	3 ⁵⁹ ⁄64 in. (99.5 mm)	4 ²⁵ ⁄32 in. (121.5 mm)	4¾ in. (120.5 mm)	5 ²⁵ ⁄32 in. (147 mm)
	E	55⁄64 in. (22 mm)	55⁄64 in. (22 mm)	55⁄64 in. (22 mm)	1 ⁴⁹ ⁄64 in. (45 mm)	1 ⁴⁹ ⁄64 in. (45 mm)
	F	2 ⁵ ⁄32 in. (19.8 mm)	2 ⁵ ⁄32 in. (19.8 mm)	2 ⁵ ⁄32 in. (19.8 mm)	1 ¹⁹ ⁄32 in. (40.5 mm)	1 ¹⁹ ⁄32 in. (40.5 mm)
	G	1 ⁷ ⁄16 in. (36.4 mm)	1 ⁷ ⁄16 in. (36.4 mm)	1 ⁷ ⁄16 in. (36.4 mm)	2 ¹¹ ⁄32 in. (59.4 mm)	2 ¹¹ ⁄32 in. (59.4 mm)
	H	1 ³¹ ⁄64 in. (37.6 mm)	1 ⁴⁹ ⁄64 in. (44.8 mm)	2 ⁵ ⁄32 in. (54.7 mm)	2 ²³ ⁄64 in. (60 mm)	2 ⁵⁷ ⁄64 in. (73.5 mm)

Specifications are subject to change without notice. Images are for illustrative purposes only.

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