

dynafor™ Industrial

Digital dynamometer

DESCRIPTION

The dynafor™ Industrial is designed and manufactured by Tractel®. The dynafor™ Industrial 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

FUNCTIONALITIES

The dynafor™ Industrial is a complete autonomous digital dynamometer with integrated functions:

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

-  From 1t to 20t
-  0.3% accuracy
-  Powered 2 x AAA
-  Integrated display
18 mm height
-  ON/OFF, Tare, Units
& Peak functions
-  Water resistant



ACCESSORIES

The dynafor™ Industrial is compatible with :

- Standard bow shackle and swivel hooks



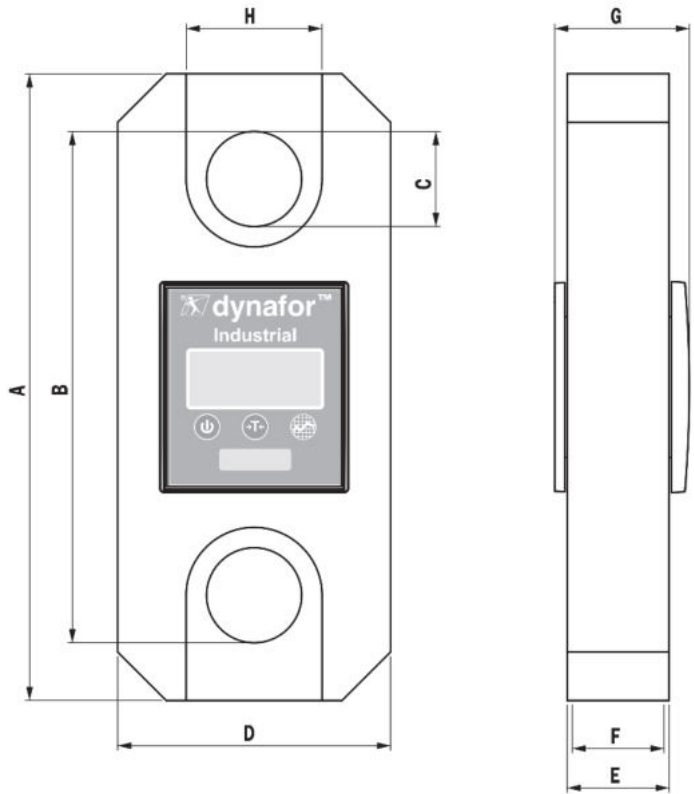
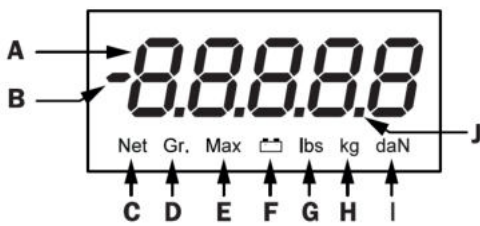
APPLICABLE STANDARDS

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

CODES

Code	Description	EAN Code
260889	dynafor™ Industrial 1T	3600232608899
260899	dynafor™ Industrial 3,2T	3600232608998
260909	dynafor™ Industrial 6,3T	3600232609094
260619	dynafor™ Industrial 12,5T	3600232606796
260929	dynafor™ Industrial 20T	3600232609292

TECHNICAL CHARACTERISTICS



Letter	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	Unit	Industrial 1t	Industrial 3.2t	Industrial 6.3t	Industrial 12.5t	Industrial 20t
Purchasing code		260889	260899	260909	260919	260929
Maximum capacity WLL	t	1	3.2	6.3	12.5	20
Safety coefficient		Minimum 4				
Minimum load		10% of WLL				
Precision	+/-%	0.3% at 21 °C full scale				
	+/- kg	3	9.6	18.9	37.5	60
Resolution	kg	1	2	5	10	20
Sample rate	Hz	3 Hz – 32 Hz in “Peak Hold Mode”				
Maximum display	%	110% of WLL				
Digits height	mm	18				
Units		kg / daN / lbs				
Conversion factor		1kg = 0.98083 daN = 2.20462 lbs				
Autonomy	h	250				
Net weight	kg	0.75	0.93	1.44	3.22	5.1
IP Protection		IP 64				
Working temperature	°C	-20 °C to +50 °C				
Sensor material		Aluminium				
Batteries		2x AAA				
Dimensions						
A	mm	191	191	236	277	342
B		164	164	184	226	264
C		22	22	28	42	54
D		83.5	99.5	121.5	120.5	147
E		22	22	22	45	45
F		19.8	19.8	19.8	40.5	40.5
G		36.4	36.4	36.4	59.4	59.4
H		37.6	44.8	54.7	60	73.5