

**DYNAFOR™ PRO WIRELESS DIGITAL DYNAMOMETERS**



The dynafor™ Pro is a versatile and robust wireless 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 a wireless accessory.

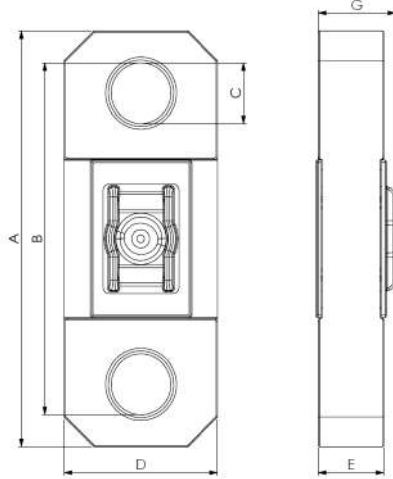
Equipped with radio 2.4 GHz (RF) and Bluetooth (BLE) chipsets, the dynafor™ Pro provides a wireless range of accessories.

**APPLICATIONS**

- Overhead Weighing
- Force measurement testing
- Water Bag Load Testing
- Safety and lifting applications
- Heavylift Projects
- Towing Application
- Research & Development Projects
- Load Monitoring on lifting equipments

**ACCESSORIES**

- dynafor™ HHD for a remote display with extended functionalities
- Wireless dynafor™ AL128 for a high visibility display
- Loader Software to unload data saved into the HHD
- Monitoring Software, in use with HHD for real-time monitoring
- dynafor™ app available on any Android and iOS device
- dynafor™ DMU for threshold management
- Standard bow shackle and swivel hooks



Model No.	Pro 1t	Pro 3.2t	Pro 6.5t	Pro 15t	Pro 25t	Pro 50t	Pro 100t	Pro 250t
<b>Maximum Capacity WLL</b>	1	3.2	6.5	15	25	50	100	250
<b>Minimum Load</b>	10% of WLL							
<b>Test Load</b>	1.5	4.8	9.75	22.5	37.5	75	150	375
<b>Safety Coefficient</b>	Minimum 4							
<b>Precision</b>	0.2% at 21°C full scale							
<b>Resolution</b>	0.2	0.5	1	5	10	20	50	100
<b>Max. Display</b>	110% of WLL							
<b>Conversion Factor</b>	1 kg = 0.98083 daN = 2.20462 lbs							
<b>Autonomy</b>	From 300 to 1000h depending on usage							
<b>Batteries</b>	3 x AA							
<b>Weight</b>	0.70	0.86	1.60	3.66	5.33	11.45	27.48	97.98
<b>Weight incl Packaging</b>	1.41	2.32	3.58	5.38	7.05	16.28	45.57	120.07
<b>RF Technology</b>	2,4 GHz proprietary, range up to 400 m in open field							
<b>Bluetooth Technology</b>	BLE 4.0 range up to 30 m in open field							
<b>Operating Temperature</b>	-20°C to +50°C							
<b>Sample Rate</b>	4 Hz, up to 32 Hz in "Peak Hold Mode"							
<b>IP Protection</b>	I.P 64 (I.P 67 in option)							
<b>Sensor Material</b>	Aluminium				HR Aluminium			
<b>Dimensions mm</b>	A	B	C	D	E	G		
	216	192.8	21.5	79	23	39	216	193.8
	248	214.1	28.8	113	32	39	248	214.1
	319	269.8	46.5	119	51	62	319	269.8
	357	301.6	57.4	132	61	65	357	301.6
	446	371.2	78.8	152	90	91	446	371.2
	559	454.2	107.6	196	129	133.5	559	454.2
	797	609.1	162.1	329	180	Unrelevant	797	609.1

**DYNAMOMETERS & LOAD CELLS**

**www.specialisedforce.com.au**

## DYNAFOR™ HHD WIRELESS HANDHELD DISPLAY



The dynafor™ HHD is an universal and ergonomic wireless handheld display, used in combination with our Tractel® products.

Equipped with radio 2.4 GHz (RF) chipset, the dynafor™ HHD provides a wireless connection with Tractel® dynafor™ Pro, Expert & Transmitter WL. Up to 4 loadcells can be connected simultaneously, with a range up to 400 m.

The dynafor™ HHD is the perfect professional tool. With its ergonomic design and intuitive use, the dynafor™ HHD is the best remote display available in the market.

From basic to advanced features, the dynafor™ HHD provides a complete professional solution for every need:

### Basic & necessary features:

- On/ Off
- Tare (Gross/Net)
- Units change (kN/ daN / lbs / t / ton (US) / kg)
- Peak hold mode

### Advanced features:

- Single and multi-sensors reading with sum function
- Up to 5 trip-point setting, with over-limit time recording and incorporated buzzer
- Manual single & sum data recording, up to 100 measures
- Settable filtering and zeroing
- Can be used in combination with dynafor™ DMU and AL128
- Can be connected to a PC and used with our softwares

### Ergonomic features:

- Settable backlight
- Coloured and intuitive interface, available in several settable languages
- Robust protection case provided
- Rechargeable battery



## ACCESSORIES AND REQUIREMENTS

The dynafor™ HHD shall be connected to:

- Tractel® dynamometers dynafor™ Pro and Expert
- dynafor™ Transmitter WL

The dynafor™ HHD can also be connected to a PC in order to:

- Unload and export the data saved in the dynafor™ HHD with our Loader software

- Use the Monitoring Software for a real time-monitoring and a connection up to 8 loadcells

The smartphone Tractel® dynafor™ application can be used simultaneously with the dynafor™ HHD.



Model No.	HHD		Protection Case
<b>Number of sensors inputs</b>	From 1 to 4 sensors (single, multiple and sum reading)		
<b>Digits height</b>	<b>mm</b>	13 mm on single reading	
<b>RF Technology</b>	2,4 GHz proprietary, range up to 400 m (open field)		
<b>Conversion factor</b>	1 kg = 0,98083 daN = 2,20462 lbs		
<b>Power supply</b>	Integrated rechargeable battery 3.7V		
<b>Weight</b>	<b>kg</b>	0.45	
<b>Operating Temperature</b>	-20°C to +50°C		
<b>IP Protection</b>	IP65		
<b>Material</b>	<b>ABS V0</b>		<b>Plastic</b>
<b>Dimensions</b>	<b>Length (mm)</b>	149.3	152.5
	<b>Width (mm)</b>	98.3	105
	<b>Depth (mm)</b>	26.6	40

**Model HHD - with Dyno** (if ordered with Dynamometers)

**Model HHD - Separate** (if ordered without Dynamometers)