

Dynasafe

1. Strain gauge sensor



Dynasafe HF35

Wire rope electronic sensor

- Electronic loadcell for installation on a wire rope
 - 1% accuracy of measuring range
 - Capacity range from 2t to 20t
 - Compatible with wire rope diameters 5 to 45 mm
 - Cable gland output
 - Customized signal output : mV/V, 0-10V, 4-20mA, Hz
- Specify wire rope diameter, capacity on fall and signal output with your request.



Dynasafe HF10

Wired loadlink

- Electronic loadcell for installation on dead-end or integrated in a machine
 - 0.2% accuracy of measuring range
 - Capacity range from 1.6t to 16t
 - Cable gland output
 - Customized signal output : mV/V, 0-10V, 4-20mA, Hz
- Specify effort and signal output with your request.

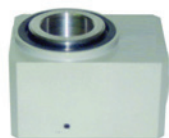


Dynasafe HF50

Load pin

- Shear stress electronic loadcell for installation as a shaft
 - Most integrated product with no headroom loss
 - 0.5% accuracy of measuring range
 - Mechanical design according to customer's specification
 - Custom capacity
 - Cable gland output
 - Customized signal output : mV/V, 0-10V, 4-20mA, Hz
- Fulfill the loadpin specification sheet with your request.

Others designs available. For any request please contact us at : sales.uk@tractel.com



Signal conditioner

2. Connection

Dynafor Transmitter WL & RS

Conditionner



The Dynafor Transmitter WL & RS are conditionners used to format the signal generated by a strain gauge sensor into a signal readable by our wired and wireless accessories.

It can be used with any sensor that has a mV/V output.

- Capacity defined by the associated sensor
- WL version :
 - Radio-Frequency 2.4GHz chipset for wireless range up to 400m with our accessories (HHD, AL63, DMU and softwares)
 - Bluetooth chipset for a connection to any smartdevice equipped with our free app', up to 30m
 - Both Bluetooth and Radio-Frequency 2.4 GHz available
- RS version :
 - RS485 output (proprietary) for a wired connection with accessories.
 - Bluetooth chipset aswell as WL version
 - Both RS485 and Bluetooth available
- Powered by 3 AA batteries for WL version, RS485 for RS version
- Combined with our required software "Dynasoft Adjustment", the system {Dynafor Transmitter RS or WL + sensor} is adjustable by the end-user for high accuracy.



Model	Product Code
Dynafor Transmitter RS	293469
Dynafor Transmitter WL	293459

The delivery includes the Dynafor Transmitter WL & RS, its user manual, its rugged plastic cover and its declaration of conformity. Supplied in sturdy cardboard packaging

Dynasoft Adjustment

Option required to calibrate the system

The Dynasoft Adjustment is mandatory to calibrate the loadcell and its Transmitter. It allows the user to set the system capacity, and makes possible to reach high accuracy.

Model Name	Product Code
Dynasoft Adjustment	199529

Software is delivered with a USB dongle, used for the connection between the Transmitter and the PC.

Once the Transmitter is selected, the system can communicate with our wired and wireless Tractel accessories (DMU, HHD, AL), presented on next pages



Dynafor HHD

Wireless display



The Dynafor HHD is a complete and versatile handheld display.

Universal, it can be connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL.

- Wireless range up to 400m
- Single and multi-sensors (max. 4) reading with sum function
- Multiple display units (daN, kg, t, US Ton, lbs,kN)
- Tare & Peak hold functions
- Ergonomic interface

- Settable alarms with incorporated buzzer
- Manual data recording with up to 100 measures
- Autonomy up to 24h. Equipped with rechargeable battery. Charger included.
- Can be used in combination with large displays AL63 and DMU for modular solutions
- Can be used with Tractel App at the same time
- QR Code apposed on product for technical and traceability documentation

Model	Product Code
Dynafor HHD	293449

The delivery includes the Dynafor HHD, its user manual, its rugged plastic cover and its declaration of conformity.. Supplied in sturdy cardboard packaging



Dynafor AL63

High visibility displays



The Dynafor AL63 is designed to visualize the efforts or loads measured by one up to 4 sensors in a large display.

It can be wirelessly connected to our Dynafor Pro, Dynafor Expert and Dynafor Transmitter WL, up to 200m range.

It also can be wired-connected to our Dynafor Transmitter RS.

- Connection from 1 up to 4 sensors, with automatic sum function.

- Visibility up to 45 m
 - Tare, peak hold, unit's selection with the TLC remote control.
 - Communication between Dynafor AL63 and sensors either through BUS RS 485, either through RadioFrequency 2.4 GHz
 - Can be used with monitor Dynafor DMU
- Multiple configurations of monitors, sensors and displays are possible.

Model	Product Code
AL63 kit (incl. TLC remote control, connection unit)	294579
Power supply 110/230VAC -> 24 VDC	199046
Bus cable RS485 (per meter)	31411
Connection Unit	244019
Dynafor TLC remote control	293499

The delivery includes the Dynafor AL63, its user manual, a remote control TLC, and its declaration of conformity. Supplied in sturdy cardboard packaging

Dynafor DMU

Display Monitoring Unit

The Dynafor DMU is a configurable safety device for managing 5 relays which are triggered in response to signals received from 1 or more electronic loadcells.

- Measure the rope tension or loads from 1 or more Dynafor Pro, Expert and Transmitter
- Manage 5 relays with adjustable thresholds and hysteresis
- Used for shutting down off equipments, powering on visual and audible alarms..
- Monitor the network
- Connect the unit to a AL63 LED display with a cable
- Connect the unit to a remote display HHD



Model	Product Code
Dynafor DMU - Display Monitoring Unit	293479
Power supply 110/230VAC -> 24 VDC	199046
Bus cable RS485 (per meter)	31411
Connection Unit	244019

The delivery includes the Dynafor DMU, its user manual, its declaration of conformity.
Supplied in sturdy cardboard packaging

Dynasoft - software for Dynafor

Connect your Dynafor load cells to your PC for additional functionality

The Dynasoft suite is composed of several modules:

- **Dynasoft Download** allows the transfer of measurements stored in our Dynafor HHD to the PC
- **Dynasoft Threshold Management** allows to transfer the alarm data saved in our Dynafor HHD to the PC
- **Dynasoft Monitoring** to perform real-time monitoring, recording and processing. The software needs to be used conjointly with our Dynafor HHD, and one to 16 Dynafor loadcells.

Two packages are available. The basic and premium licenses are valid for an initial period of 1 year, which can be extended on expiration.



Model	Product Code
Dynasoft Basic (incl. Download & Threshold management) - First year	293509
Dynasoft Basic - renewal 1 year	287717
Dynasoft Premium (incl. Monitoring, Download & Threshold Management) - First year	294479
Dynasoft Premium - Renewal 1 year	287707

Softwares are delivered informatically, with an activation code.
Software activation required Internet connection.

