

Running Line Tensiometer Installation Guide



Lucernemarken 18 A
DK-5260 Odense S

Bank
Danske Bank

Telephone
+45 6590 5802

Bank Account
DKK 3574-4358812678
EUR 3574-3574671329

Fax
+45 6591 8802

IBAN no.
DKK DK9030004358812678
EUR DK6030003574671329

Mail
post@vetec.dk

SWIFT Code
DABADKKK

Web
www.vetec1dk

VAT no.
27414621

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IBAN no.
DKK DK9030004358812678
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Mail
post@yetec.dk

SWIFT Code
DABADKKK

Web
www.yetec2.dk

VAT no.
27414621

Specifications:

Steel wire diameter to be used:	10-19mm
Line pull:	0-12t
Output signal:	1mv/v at full load
Payout counter:	not installed
Ip class:	IP 67
Relative humidity:	>98%
Min/max operating temperature:	-20°C to +60°C. from -20°C to 0°C the user is obliged to observe the free movements of the wheels
Calibration method:	direct calibration is recommended

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These instructions are solely directed towards qualified installers. The information shall not be handed to end users.

READ THE INSTALLATION INSTRUCTIONS CAREFULLY BEFORE MOUNTING AND INSTALLING THE PRODUCT.

The instructions that contain information on the installation and configuration of the unit are not intended to be passed on to the end user. The machine manufacturer is obliged to produce an operating manual for the machine. Only such information may be passed on to the end user that is needed to operate the machine correctly.

According to the European law, instructions directed to end users shall be produced and submitted from the operator that can overlook the final usage of the products. When parts of machines are joined together, they become a new machine and should no longer be looked at as separate machines.

- Allow only licensed or qualified personnel to install the product.
- Use undamaged cables. No cables should hang loose.
- Avoid installing in areas affected by strong vibrations.
- Make sure that the user is following the instructions.
- Make sure that the user has reached the certified age to operate the equipment.
- Make sure that the user is not under the influence of drugs, alcohol and medicines.
- Make sure that the user keeps a good overview of the work area.
- Always contact your representative for service and maintenance work.
- Keep the instructions for future reference.

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Fixing unit:

A fixing method needs to be found for each individual winch.

The running line tensiometer needs to be fixed in such a way, that it is kept as vertical as possible.

The fixing method could be by a metal arm, by chains or by wire.

The chosen method depends on the possibilities and the surroundings of the winch.

Example with a metal arm:



It is allowed for the Running line tensiometer to rest on the 4 feet mounted, when no strain is on the wire, taking care that it will not rest on the side, since this could damage the sensor

Example of a fixing method where the unit never rests on the ground. Chains keep the unit in position.



Hanging version, secured by straps



If wire has no sideways movement, unit can be fixed mounted:



Cabling:

The cable to be connected to the unit, should be routed in such a way, that it will not be cut, or in any other way damaged by the wire, or any other object in the near surrounding, the cable to be used, is a 4core shielded cable, suited for small signal transfer, it is recommended to use as short cable as possible, 10m is preferable, it should work with longer cables, up to 30m should be no problem, bearing in mind, the way its routed to the signal converter, if its routed near powerlines, or other units, giving a high degree of electrical noise, it might affect the signal, even to the degree, where the sensor could be damaged

Connection:

Take of lid, secured with 4 screws, put cable through gland in the end of the connection box, tighten the gland, to secure, that it will be waterproof

Inside the box, there are 5 connections to be used

Red = Excitation+ (powersupply positive)

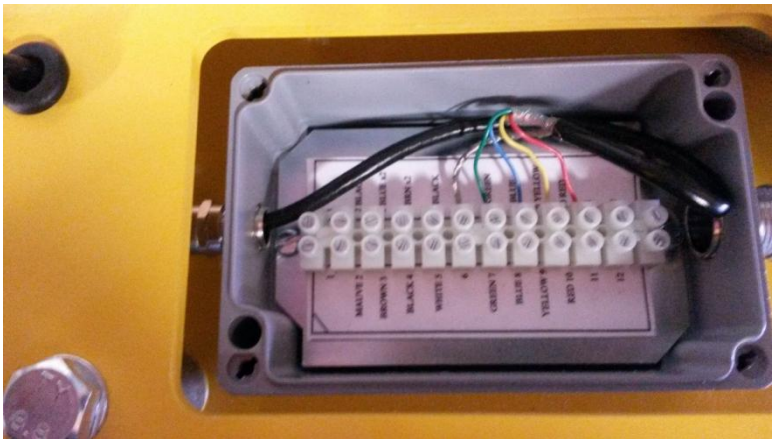
Blue = Excitation- (powersupply negative)

Green = signal +

yellow = signal –

shield = shield

View of inside the connection box:



Never connect the shield from the cable, to housing, or any other metal part on the running line tensiometer.

After connection, remount the lid, tighten the screws securely, to secure the housing will be waterproof.

Route the cable to the amplifier, observing that no physical damage can be applied to the cable

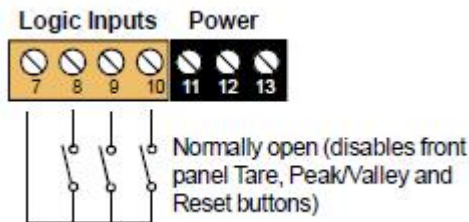
Connect cable to amplifier, a separate manual is supplied for Amplifier

Follow instructions in separate manual for connecting powerlines, safety instructions and more

Contact inputs:

The Amplifier is supplied with inputs for tare, peak valley and reset:

Contact closure 1 = Tare
Contact closure 2 = Peak/Valley display
Contact closure 3 = Reset



Maintenance:

The following sections review the maintenance of Running Line Tensiometer
The following is recommended to be checked:
Services and Control Point

Daily routine-check

1. Search the unit for any visual fractions or deformations.
2. The wire must be in the pulley, and the Unit should be firmly attached to its mounting points

Monthly routine-check and maintenance

3. check the output from the unit is within specified limits.
4. Lubricate the wire rollers outside, wire and spring profile with KK-2002 Chain oil or something similar.
5. lubricate wire rollers bearings with suitable grease, covering the temperature range in which it is used

DISPOSAL

If the Running line tensiometer must be dismantled for scrap, the following are observed, the unit contains components that must be disposed of in accordance with the country's relevant environmental regulations on the destruction and disposal of hazardous waste.

These rules apply to:

- Mechanical Components
- Plastic and rubber components
- Components are surface treated
- Electrical components

GUARANTEE

Vetec's products are covered by a guarantee against material, construction or manufacturing faults. During the guarantee period, Vetec may replace the product or faulty parts with new. Work under guarantee must be carried out by Vetec or by an authorized service centre specified by Vetec.

The following faults are not covered by the guarantee:

- Faults resulting from normal wear and tear.
- Parts of a consumable nature.
- Products that have been subject to unauthorized modifications.
- Faults resulting from incorrect installation or use.
- Damp or water damage.

SERVICING & REPAIRS

Make sure that repairs and maintenance are only carried out by qualified personnel. Use only spare parts from Vetec. Contact your dealer if you want to make a complaint about a product or require other service. Always have the following details at hand when you contact a dealer about a complaint or service issue: Name of the system, model and a description of the problem. If you need to return a product, the invoice number and delivery date should be included.

CARING

- Keep the product in a dry, clean place.
- Make sure that contacts are kept clean.
- Wipe off dust using a slightly damp, clean cloth.
- Never use cleaning solutions or high-pressure water

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