

Mobile tension measurement | Tritens® | The basic tool for universal use

Straightforward, flexible, stable

Intelligent solutions for a profitable product.



Tritens® sensors are thought through down to the very last detail and are manufactured to stringent quality specifications. This



makes a decisive contribution to their superior versatility, functionality and longevity.



The easy-running reversing rollers with their superb bearings are available in designs



specific to the application: V-groove rollers for various material diameters, rollers with concave or cylindrical running surfaces with



a choice of coatings guarantee a solution that's exactly right for precise and gentle material guidance.

Even when used in wet areas of the operations, the models protected against splashed water – and naturally made of rust-free materials – incorporate all the advantages of the standard **Tritens®** units.

Every **Tritens®** with options for differing material guidance offers two additional rated load ranges.

Tritens®: one sensor – three measurement ranges – that's genuine flexibility.

Versatile, rugged, convenient

Reliable tension measurement, even for critical tasks: Tritens®.

Tritens® is the decisive innovation for portable and stationary measurement of tensile force – an indispensable aid in monitoring your process parameters.

Its superb engineering features expand the limits of conventional tension measurement and enable dependable and exact measurement even where materials differ in diameter and stiffness and even at high line speeds. And simplicity in use goes without saying – pressing the sensor gently against the product being measured is sufficient.

The efficiency is found in its high utility.

Tritens® always delivers quick and reproducible information on the tension situation

- through early detection of malfunctions caused by the machinery,

- to minimize stoppages and downtimes,
- and thus ensure uniformly high process quality and production reliability.



All-purpose, highly functional, solid

Maximum utility demonstrated by perfect handling of defined tasks.

Tritens® – in all its versions – covers an as yet unattained spectrum of applications:

- Flexurally stiff materials – cable cores, solid wire, tight and loose buffers ...
- Large-diameter materials – cable, slotted-core cable ...
- Materials with a textured surface – tight and loose buffer cable ...
- Or materials running at high speed – ropes ...
- Materials such as tire cord, stranding, conductors, belts, ribbon and many, many more.

Superb functioning and operating convenience are the major performance features which **Tritens®** offers.

Since the rugged sensor is pressed only lightly against the material, it can also be used for mobile measurements, making for trouble-free inspections in the ongoing process. This is always done so as to protect the material, without deflecting the product being measured, without impacting the production process. The diameter of the material no longer has any bearing on the measurement results.

No matter which version you select: **Tritens®** always offers exacting and affordable technology.

Convincing in its simplicity and simply convincing.



Tritens®
with additional guide rollers
500 mm measurement path
fast installation



Tritens®
Standard versions



Special solution
for measurement of optical fibres
roller diameter 100 mm
480 mm measurement path