

Tensile Force Measuring Head Series M 150, M 350



Head series M 150 is a compact system to measure tensile forces on : cables, belts, profiles, tapes etc.
The smooth, in precise ball-bearing running rollers, can be adjusted to the material, which should be measured.

It is not necessary to thread the material.

Press the measuring head only light against the material you like to measure.

Both the outer guide-rollers guide the material in a defined angle over the measuring roller.

Due to the deviation, the resulting radial force is measured by the head.

It is proportional to the tensile force.

<i>Application:</i>	Tensile force measurement on : wires, cables, ropes, profiles etc. up to 25 mm Ø or material - width for installation in the machine / labs // or measurement by hand
<i>Characteristics:</i>	for measurement : only light pressing the measuring head against the material you like to measure
Nominal loads:	5 daN, 10 daN, 3 hN, 5 hN, 1 kN, 2 kN, 3 kN
<i>Measuring principle:</i>	measuring system = capacitive the measuring head transforms the, on the measuring-roller active radial-force, into a proportional electric outputsignal
<i>Roller material:</i>	AlCuMgPb, Option: ceramic coated rollers, steel rollers
<i>Materialspeed:</i>	up to 1200 m/min.
<i>Dimensions :</i>	standard : distance between the outer guide-rollers : 480 mm. Optional : distance between the outer guide-rollers of 180 mm, 280 mm or 380 mm are as well available
<i>Option:</i>	cylindrical rollers, ceramic coated rollers
<i>Hints:</i>	series M 150 needs an external Tensometric amplifier series M 350 is equipped with a built-in amplifier M 350 needs a service voltage of 5 V, 12 V, 24 V, or ± 15V and supplies an analogue outputsignal 0 - 10 V corresp. 0 - 100 % the nominal load
<i>Accessories available:</i>	connection cable, amplifier with or without display

