

Electronic tensile forces measuring unit Type: M 161


M 161 connected with MINI 710



bottom view

The measuring unit M161 has been developed for measuring tensile forces of belts and webs. By special arrangement of the guide rollers and measuring roller the sensor is only lightly pressed against the web.

Advantage: Only low deflection of the tape to be measured, thereby protective for the material. No feeding in of material to be measured needed.

Application: Tensile forces measuring at flexible tapes and webs. Suitable as hand held device and for installation in machines.

Function: Three rollers are arranged in a row, of which the central roller is mounted on a tensile force measuring system. It protrudes slightly. By deflection of the web to be measured a resulting force is generated which is recorded by the tension measuring system. This force is proportional to the tensile force of the web to be measured.

Measuring widths: 7 versions from 0 – 50 mm to 0 – 400 mm available.

Measuring ranges: From 0 – 10 daN to 0 - 500 daN available

Indication of measured value: For connection of indicating instruments MINI 710 and KT874.

Housing: Aluminium

Rollers: Aluminium, for very low sensor nominal loads the central roller is plastic material.

Measuring system: Capacitive.