Accessories & Options

Test Pad

Auramo Test Pad is an all new solution for clamping force testing. The device is extremely light, thin, robust and portable. And it can measure clamping forces up to 100 kN!

Regular paper roll clamp force testing is a vital part of the modern paper transport quality systems. Incorrect or excessive clamping force levels on paper roll clamps are an important source for various paper roll out-of-roundness problems.

The Test Pad enables easy and fast onsite measurements. This makes it especially suitable for troubleshooting and quality control purposes. Clamping forces are equally easy to measure from a wide range of paper roll clamp models. The Test Pad design adapts to varying contact pad models and sizes.

The Test Pad can be used for:

- Testing the clamping force of the paper roll clamp
- Adjusting the clamping force of the paper roll clamp
- Troubleshooting the roll clamp operation
- Testing and adjusting pressure selection valves

Test Pad - Clamping force measuring device

Operation Principle

The Test Pad is put between the paper roll clamp contact pad and the paper roll. The clamping arms are then closed just as they would be during a normal clamping operation.

When the Test Pad is being pressed between the contact pad and the paper roll, it shows the exact clamping force which the clamp arm is applying to the roll.

As the Test Pad is extremely thin, the measured clamping force value is practically the same as the real clamping force value normally existing between the clamp contact pads and the paper roll.

No conversion factors or force diagrams are required to get the clamping force reading. A clear and easy-to-use LCD display shows the clamping force directly in kN units.

The Auramo Test Pad is highly portable. The combined weight of the measurement unit is only 8.7 kg (19 lbs). Small overall dimensions make the unit easy to carry.

The robust measurement unit is made of durable, lightweight aluminum alloy. The LCD display unit is battery operated and requires no external power source. Standard delivery includes a carrying case.

Real Clamping Force Readout

Unlike conventional, fixed length clamping force test cylinders, there is no longer a need to use conversion factors or separate force diagrams to convert the measured force values to the real paper roll diameter.

The Test Pad shows the real clamping force value with the same diameter as the paper roll itself has. This makes the test device especially suitable for checking the clamping forces whenever the paper rolls have pre-defined, individual maximum clamping force levels marked on them.

The device can be used with a very wide paper roll diameter range without any auxiliary equipment. The pad radius is designed to provide non-damaging measuring operation for a wide roll range.

Wide Measurement Range

The Test Pad can measure clamping forces from 0.5 kN to 100 kN. This enables even the largest commonly used paper roll clamps to be measured with it.

Its all-electronic design based on highly sophisticated scale sensors ensures high accuracy with all clamping force levels.

The Test Pad is light to carry and easy to handle.

Due to its thin design, the Test Pad adapts to changing roll diameters.

The Test Pad measures the clamping force between the paper roll and the clamp pad.

Technical Specifications:

Model	Test Pad TPD-400
Measuring range (min-max)	0.5 - 100 kN (± 0.5 kN)
Display unit interval	0.5 kN
Dimensions, pad	400 x 250 x 50 mm
Dimensions, display unit	205 x 205 x 55 mm
Weight, pad	9 kg
Weight, display unit	1.2 kg (batteries included)
Operation voltage	9 VDC
Batteries	6 x 1.5 volt (size C)
Operation temperature	0º…+40ºC

CERTIFIED ISO 9001 MANUFACTURER

79001360

AURAMO OY
PL1001 (YRITTÄJÄNKATU 4) - FIN-04401 JÄRVENPÄÄ - FINLAND
TEL: +358-9-82-931

www.bolzonigroup.com - sales.fi@bolzonigroup.com

BOLZONI GROUP