



Description

The TPG-U simulates the stress on handles as it occurs while carrying filled carrier bags.

The cycle frequency and the drop height can be preset within a wide range; after reaching the preset number of strokes the device automatically stops the test procedure.

Features

- **Good reproducibility:** Constant test conditions ensure a good reproducibility of the test results.
- **User-friendly operation:** This easy-to-use device can be put into operation anywhere; there are no special laboratory requirements.
- **Adjustable drop heights:** Using different drop heights ensures a perfect adjustment of the materials being tested.
- **Wide selection range for the cycle frequency:** The cycle frequency from 1 to 100 cycles can be adjusted to the required test conditions.
- **Long life:** High-quality manufacturing adds value and reduces overall downtime.

- **Heavy-duty three-phase motor:** The powerful three-phase motor is driven by a frequency converter (230 V), allowing a variable number of revolutions.
- **No maintenance:** For the TPG-U, no special maintenance efforts are required.
- **Safety:** A special construction virtually eliminates danger of injuries during the operation of the unit.
- **Future:** The device meets the increasing QC requirements for the packaging industry.

Typical application

The device is used for testing the durability of handles of carrier bags, outer packaging and bundles.

Optional accessories

- **Stopping plate:** Stops the device, when the handle tears, so the number of strokes until material failure can be seen on the counter.

Specifications

Cycle frequency	10 – 100 pro min.
Drop heights	10 / 15 / 23 / 30 mm
Preset number of strokes (counter)	up to 99999
Dimensions	48 x 42 x 28 cm
Weight	32.5 kG
Storage temperature	0°C – 50°C
Normal operating temperature	15°C – 30°C
Relative humidity	max. 80%, non-condensing
Electrical connection*	230 V / 50 – 60Hz, power consumptions ca. 350 W, approx.
Standard	RAI quality and test conditions for plastic carrier bags

* Due to high leakage current of the frequency converter, the device cannot be powered from a power outlet with a common GFCI / RCD. The installation has to be done by a electrician according to the local regulations.