



DESCRIPTION

Table instrument, in powder-coated steel, with precision electronics for the determination of the bending breaking load (max load) on ceramic or similar specimens.

Semi-automatic, it is equipped with a steel surface on which two oscillating supports (knives) are positioned, manually and individually moved and adjusted, which in turn receive the sample to be tested.

The adjustment is made with the aid of millimeter reference indices.

The steel top lifts automatically, with electro-mechanical operation, at a speed known as approaching.

This approach speed is automatically switched by the control unit into working speed as required by the regulations.

The knife placed in the upper part presses on the specimen until it breaks.

With this instrument, operating according to the UNI EN ISO 10545-4 regulation, it is possible to determine:

- the flexural strength
- breaking module

SUITABLE FOR PERFORMING TESTS ON SPECIMENS UP TO 20 mm THICK

INSTRUMENT USAGE RANGE:
from 1,5 kg up to 300 kg

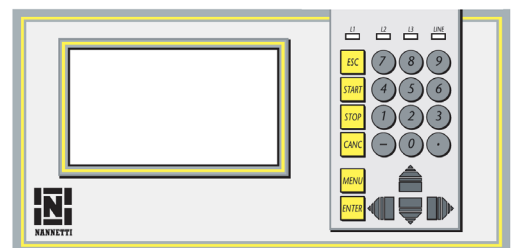
TECHNICAL SPECIFICATIONS

- **300 kg** load cell (with an accuracy of 10 gr. full scale)
- diameter of the knives : Ø 15 mm
- minimum size of the sample : 30x60 mm
- maximum size of the sample : 150x200 mm
- sample thickness : from 5 to 20 mm
- electromechanical drive
- double speed of the upper knife (forward / backward and work)
- programmable applicator load
- currently (10 slots) of the basic parameters of the samples to be tested ¹
- programming functions and managed test results and display on the LCD screen
- input port for programming also by means of an external keyboard (not included)
- USB port for test data acquisition²
- articulated adjustable feet to perfectly levelling the instrument

¹ doing routine control tests, it is enough to recall the format to be tested from the memory, without having to reset the data necessary for the calculation.

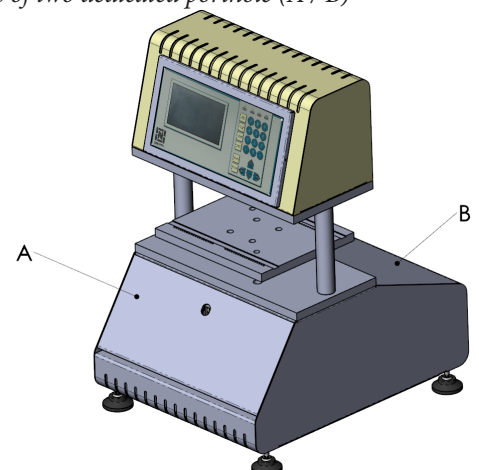
² you can download, on the support, the register of the last 50 tests carried out

ELECTRONIC UNIT CONTROL



The management of the test is assigned to an electronic control unit, which will give the final result, as breaking module, expressed both in Newton/mm² and in Kg/cm² and as a breaking load expressed in both Newton and Kg.

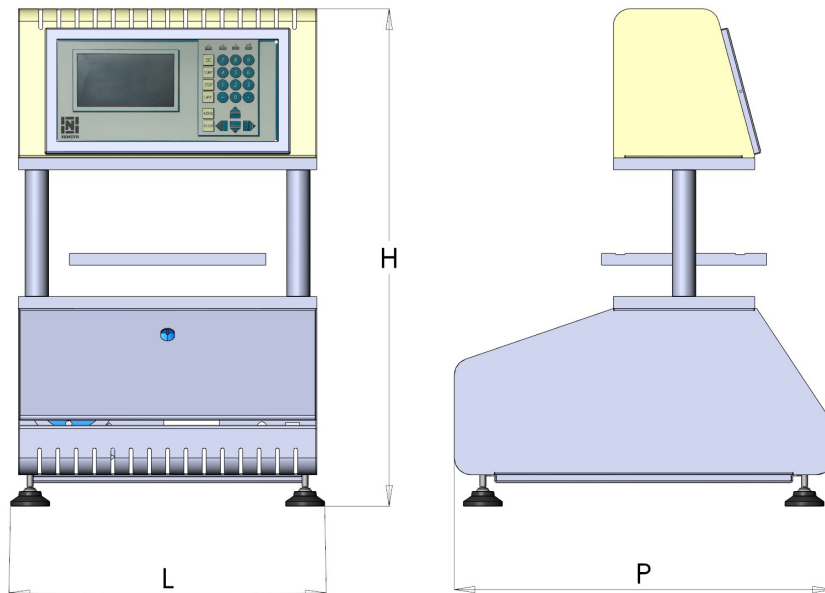
the electrical compartment is easily accessible by means of two dedicated porthole (A / B)



TEST DATA ON PC (using a USB stick)

The data saved for each test are:

- progressive number identifying the test
- date on which the test was carried out
- start and end times of test
- program number recalled to test
- sample length (mm)
- sample width (mm)
- sample thickness (mm)
- speed (N/mm²)/s
- breaking load (N)
- bending resistance (N/mm²) when the sample breaks



	MAX. STRENGTH	SAMPLE SIZE MAX	EXTERNAL DIMENSIONS	WEIGHT	POWER	VOLT	HERTZ
	[kG]	[mm]	L x P x H [mm]	[kG]	[kW]	[V]	[Hz]
MF 2026	300	150 x 200	400 x 550 x 650	65	0,4	230	50/60

(all data are not binding, the manufacturer reserves the right to modify them)