

H002N

Hydraulic servo-controlled machine 600 kN capacity with Touch-Screen Servo-Plus Evolution digital system, to perform static tensile tests on metallic materials

STANDARDS: EN 10002 / ASTM A370 / EN ISO 6892, 7500-1



The machine basically consists of :

- Sturdy loading frame with electric cell for load reading and built in piston displacement transducer
- Hydraulic unit and Servo-Plus Evolution Touch-Screen system (technical details: see pag. 130; firmware details: see pag. 24), housed in a console, for data acquisition, control and processing.

The frame is designed to perform tensile tests using the jaws placed in the clamping heads, in accordance with the mentioned International Standards.

The hydraulic servo-controlled unit regulates the load rate.

An emergency device allows to stop the machine at any moment as per CE Safety Standards.

The lower tensile head can be adjusted in height through an electric motor; for an easier positioning of the specimen according to its length.

Jaws are pneumatically activated through a compressor (accessory mod V206)

The machine is supplied complete with loading frame and control console, while, software (H009), jaws, printer and extensometers (H014 to H014-10) described in the next pages **"are optional and must be ordered separately"** according to the needs of the user.

TECHNICAL SPECIFICATIONS:

Capacity	600kN
Distance between jaws min/max.....	100/800mm
Suitable distance between jaws for test.....	450mm
Upper hydraulic loading piston, stroke.....	300mm
Lower tensile head, stroke.....	400mm
Ideal distance between jaws for tests.....	500mm
Daylight between vertical columns.....	440mm
Load reading.....	Sensing by load cell
	Resolution 0,01% U.V.
Accuracy.....	Class I EN 10002-2
Stroke reading	Sensing by linear
	transducer
	Resolution 0,01mm
Needed height.....	3200mm
Frame dimensions.....	860x480x3000mm
Console dimensions.....	610x630x1600mm
Total weight:.....	2200kg approx.
Power supply.....	230V 3ph 50Hz 2kW

ACCESSORIES FOR H002N MACHINE

JAWS for tests on round and flat specimens.

One set consists of two double pairs of jaws that must be placed into the upper and lower tensile heads.

H002-03 Set of jaws for Flat specimens
1-12mm thickness, max. width
65mm, and Round specimens
1-12mm diameter

H002-04 Set of jaws for Round specimens
13-23mm diameter

H002-05 Set of jaws for Round specimens
24-35mm diameter

V206 Laboratory Air COMPRESSOR.
Technical details: see pag. 454



H002-03

H002-04

NOTE:

The SOFTWARE mod. H009N and the EXTENSOMETER mod. H014 to H014-10 are described at pag. 335, 336

section H



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H002

MATEST