

Charles Ischi AG - OSD Testing Technology

DISI-EVO

Disintegration Tester

The DISI-EVO automatic tablet disintegration tester combines a proven basket design with new innovative concepts of technology and user friendliness.

The system is designed according to the latest USP and EP standards for disintegration testing. A state of the art HMI comes as an optional external display which can be placed either in front or on top of the tester.

Bathless induction heating allows a fast heat up time within minutes to bring the water to 37°C. Automatic test start on defined temperature is just one of multiple features of the DISI-EVO.

The tester is built in a modular way. Up to 4 stations can be linked to the control unit.

A high-resolution capacitive touchscreen display with 1024x600 pixels in the control unit provides high contrast and wide viewing angles for comfortable operating.

Optionally, the unit may also be controlled through the Ph21 software.

ADVANTAGES

- + Inductive heater
- + Modular up to 4 stations
- + LED status
- + Stand alone with touchscreen
- + 21 CFR Part 11 compliant
- + Visualization of disintegration profiles
- + Ph21 Software interoperability

FUNCTIONS

- Real-time monitoring of the remaining height of the tablets
- Comprehensive reporting
- Temperature sensing in basket
- Ability to connect up to four testing stations to one control panel
- Individual disintegration profile for each tablet
- Water level sensor

OPTIONS

- Touch screen HMI
- Ph21 pc-software
- Ph21 qm-pack
- Ph21 USP or EP methods
- 6 Tube Basket
- 3 Tube Basket for large tablets



TECHNICAL SPECIFICATIONS

TECHNICAL DATA

DISI-EVO

Dimensions W x D x H (mm)	480 x 250 x 750
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Weight

Weight	7.8 kg
Volume beaker	1000 ml

Main Supply

Voltage	100-240 V
Frequency	47-63 Hz
Power consumption	300 W
Fuses	3 A Fast

Interface DISI

HMI / PH21	1 x RJ45
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Interface HMI

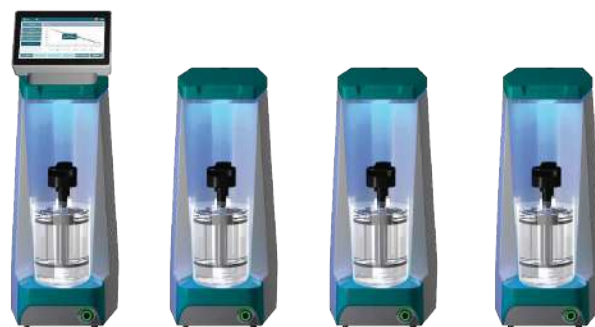
DISI	1 x RJ45 POE
Network / Printer	1 x RJ45
Printer / USB storage	2 x USB

Environmental conditions

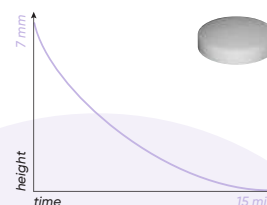
Temperature range	18-30°C
Max. temperature for basket	40°C
Relative humidity	20-80% non-condensing

Reproducibility drives

Stroke frequency	30 strokes/min +/- 0,1
Stroke	55 mm



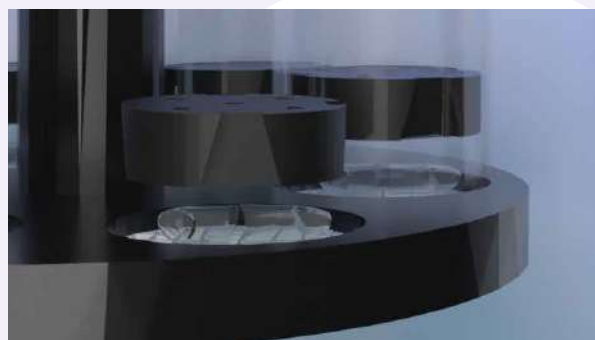
Modular up to 4 stations



Tablet disintegration testing with residual height monitoring
Individual disintegration profile for each tablet



Height measurement with every upward stroke



Programmable remaining height for empty capsule shells
or enteric coated tablets