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 (optional)
+ 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

- Ph21 software
- 21 CFR Part 11 compliance in stand alone operation (coming soon)
- 3 Tube Basket for large tablets

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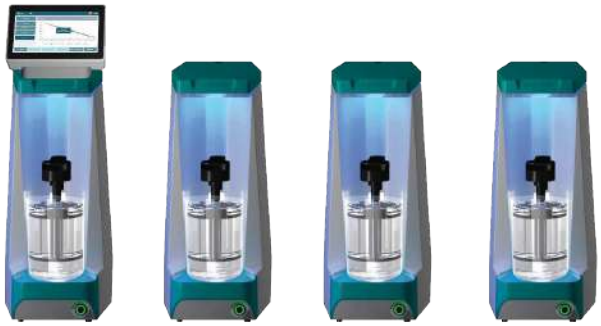
Technical Datasheet

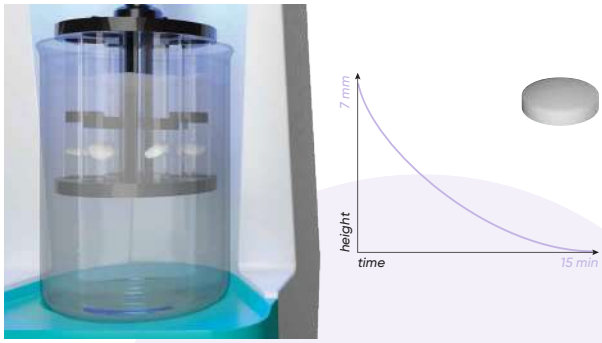
www.ischi.com

TECHNICAL SPECIFICATIONS

TECHNICAL DATA	DISI-EVO
Dimensions W x D x H (mm)	480 x 250 x 750
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
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

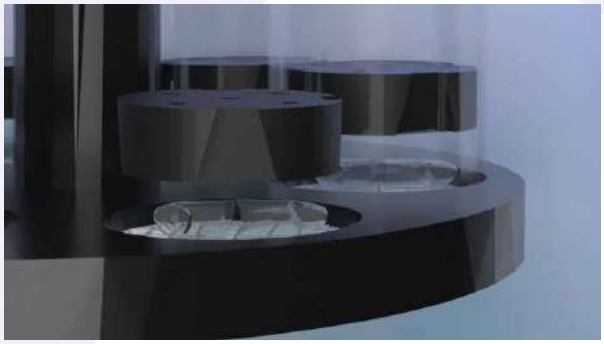


Modular up to 4 stations



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

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