

## STANDARD DEVICE

# DISI-A

## Automatic Disintegration Tester

All the DISI-A operations are performed via the PC's Windows based operating interface. Thanks to the very well-known Windows operating environment the user will become familiar in a very short period of time.

The system corresponds to the latest requirements of FDA 21CFR Part11. All operations are password protected. A flexible access management scheme allows tailoring the access control to any customer specific requirements. All relevant operations will be logged into a protected event logbook (audit trail).

The basket assembly is extremely robust. It may even be fully submerged into an ultrasonic cleaning bath. The magnetic coupling of the basket reciprocation mechanism makes it easy and safe to use



Pic. DISI-2A with two independent measuring stations

## MEASURED PARAMETERS



### DISINTEGRATION

## ADVANTAGES

- + Magnet coupling of Test baskets
- + Cable and contactless baskets
- + Easy, Innovative concept
- + 21 CFR Part 11 conform
- + EP & USP methods predefined
- + Precise Thermostat heater

## FUNCTIONS

- Softstart function
- Automatic detection of disintegration time
- Remaining rest height displayed continuously
- Temperature control

## OPTIONS

- Large basket for tablets > 18mm
- IQ,OQ,PQ
- PH21 QM Package

**DISI-A**

[www.ischi.com](http://www.ischi.com)

The data analysis concept is based on the successful PH21 production control software. All data points are stored and may be traced back to the batch and test number. Tabular and/or graphical reports may be printed for single tests and whole batches. It is also possible to print out summary statistics of several batches.

The DISI disintegration tester application is a cornerstone of the PH21 production control system. Other test equipment like the Kraemer Elektronik UTS tablet testing system for weight, thickness, diameter and hardness and Kraemer Elektronik CIW tablet weight checkers can be connected via the DIN Measurement bus.

The PH21 software also provides the possibility to interface with LIMS systems or internal production control systems.



Pic. DISI-A Basket with magnetic coupling

TECHNICAL DATA	DISI -1A	DISI -2A	DISI -3A	DISI -4A
<b>Dimensions W x D x H (mm)</b>	340 x 250 x 750	475 x 250 x 750	610 x 250 x 750	750 x 250 x 750
<b>Weight</b>				
Weight empty	20 kg	30 kg	40 kg	50 kg
Weight filled	26 kg	39 kg	52 kg	65 kg
Volume water bath	6 l	9 l	12 l	15 l
Volume beaker	1000 ml	1000 ml	1000 ml	1000 ml
<b>Main Supply</b>				
Voltage	100-240 V	100-240 V	100-240 V	100-240 V
Frequency	47-63 Hz	47-63 Hz	47-63 Hz	47-63 Hz
Power consumption	50 W	75 W	100 W	125 W
Fuses	1 AT	1 AT	2 AT	2 AT
<b>Thermostat</b>				
Voltage	230 V / 115 V			
Frequency	50Hz / 60Hz			
Power consumption	2,1 KW / 1,1 KW			
<b>Interfaces</b>				
	1 X RS232			
<b>Environmental conditions</b>				
Temperature range	18-27 C			
Max. temperature water bath	40 C			
Relative humidity	20-80% non-condensing			
<b>Reproducibility drives</b>				
Stroke frequency	30 strokes/min +- 0,1			
Stroke	55mm			



The devices comply with EG-Maschinenrichtlinien 2006/42/EG and EMV 2004/108/EG. Future technical changes reserved. Stand: 04-2020