

STANDARD DEVICE

UTS IP65i

Automatic testing system –
hermetically sealed & washable



The UTS IP65i system is an addition to washable tablet presses for WIP or WOL applications for processing medium and highly potent products.

As an addition to the existing dust-proof and easy-to-clean testing systems UTS4.1-S10 / UTS IP LR, the UTS IP65i is the first fully washable, universal testing system and it is the only one of its kind in the world. The working space/testing area correspond to the protection class IP65 and the cleaning process is conducted in a controller memory.

The integrated failsafe system rules out any potential operating errors as early as the preparatory phase as well during the washing process, thus ensuring error – free processes. For the washing programs, user – de-fined parameters set the washing period per wash cycle, the number of wash cycles and the length of each individual washing phase.

The system can be used in the following applications:

- Online, controlled by tablet press
- Standalone with computer software
- Online with computer software



Pic.: IP65i

MEASURED PARAMETERS

- WEIGHT
- THICKNESS
- LENGTH / DIAMETER
- HARDNESS

ADVANTAGES

- + Unique testing system with integrated washing nozzles
- + WIP system – wash in place
- + WOL system – wash offline
- + Integrated 360° - LED status display
- + Hermetically – sealed system, OEB 5 class
- + Insulator is superfluous due to the sealed system

FUNCTIONS

- User defined wash program
- Results for all 4parameters shown during test in the display
- Adjustment and calibration via display
- RS232 / RS485 Interface for PC
- 24V Switching outputs for external diverter and air transport or alarms
- Input / output for external devices

OPTIONS

- PH21 Software
- Model for single tablet operation
- Hood with glove ports
- IQ, OQ, PQ

UTS IP65i

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Pic: UTS-IP65i washing program



Pic: Containment Pyramid, UTS-IP65i OEB-5 approved

TECHNICAL DATA

UTS IP65i

Hardness

Measurement principle	Load measurement cell (LMZ) with strain gauge (DMS). Constant speed
Measurement method	Hardness, diameter and thickness measurement
Measuring range	10 – 350N
Measurement accuracy	10 – 350N (+/- 1N)
Resolution	1N at 350N range
Units of measure	N / Kp / SC
Tablet diameter	3 – 18mm
Calibration	Static, optional dynamic

Diameter / Length

Drive	Stepper motor
Units of measure	mm / Inch
Measuring range	3 – 18 mm
Measurement accuracy	+/- 0.1 mm
Resolution	0.01 mm

Scale

Model	Sartorius
Weighing range	0.01 g – 50 g
Weighing accuracy	+/- 1 mg stable environment, +/- 2 mg unstable environment
Resolution	0.1 mg

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TECHNICAL DATA

UTS IP65i

General

Protection class working area	IP67
Protection class housing	IP63
Interfaces	1 X RS-232 / 1 X RS422

Weight

Weight	110kg Standard device
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Power requirements

Main voltage	100 - 240 VAC, 50 / 60 Hz
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