Testing systems for in-process control

STANDARD UNIT

UTS X

OEB 4

Automatic test system with advanced functions & OEB4 protection level

The UTS X is characterized by a clean, robust case, compact dimensions and new functionalities.

SmartFeed, the new singulation system, includes a progressively controlled feeder chute with automatically adjustable inclination. This enables a very quick separation of the tablets and increases the throughput of the tablets to be measured.

The 360° LED status display allows you to see the system status well from a distance. Thanks to the retractable 7" touch display and the new database-driven, intuitive all-in-one-touch software, the testing system is easy to operate and control. To ensure FDA 21 CFR-Part 11 compliance, the functionality of the software can be expanded modularly.

To remove tablet dust in the device in a controlled manner, you can upgrade the UTS X with the new CleanFeed® module as an option: Shielding during sample dram and dedusting before tablets are fed into the test system are performed automatically. The device can also be equipped with an AutoLevel® automatic leveling unit for optimum alignment.

Thanks to its design, the UTS X achieves up to 50% higher throughput in relation to comparable devices.

Figure: UTS X as basic unit

MEASUREMENT PARAMETERS

- WEIGHT
- THICKNESS
- DIAMETER
- LENGTH
- HARDNESS
- WIDTH (OPTIONAL)
- OEB-CLASS

ADVANTAGES

- Robust and compact design
- Optional SmartFeed system for quick separation of the tablets
- 360° LED status display
- Modular expandable, database-supported all-in-one touch software

OPTIONS

- Sample outlets wit Ticlamp DIN 32676 DN50
- Automatic leveling unit AutoLevel®
- System for feeding singular specimens
- VibraFix module for longitudinal alignment & stabilization of oblong tablets during hardness measurement
- CleanFeed® module for dedusting the specimen before feeding into the tester and partitioning during the specimen draw (reduced dust entry into the test system)
- Load cells 50 N, 500 N (standard), 1000 N
- License: FDA 21 CFR Part 11 (i.a. with audit trail, batch report, user management)
- Licenses: TTS11 interface, user management, import and export (LIMS, CSV), IQ/OQ
- Thickness gauge with higher precision

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Testing systems for in-process control

Technical data UTS X

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Scale	Technically specified	Guaranteed for this specific device
Unit of measurement	mg	mg / g
Measuring range	10 – 50 000 mg	10 – 50 000 mg
Measuring accuracy	±1 mg in stable environment, ±2 mg in unstable environment	±1 mg in stable environment, ±2 mg in unstable environment
Measurement resolution	1 mg / 0.1 mg (adjustable)	1 mg / 0.1 mg (adjustable)

Thickness	Technically specified	Guaranteed for this specific device
Unit of measurement	mm / Inch	mm / Inch
Measuring range	0 – 17 mm	3 – 12 mm
Measuring accuracy	±0.05 mm	±0.05 mm
Measurement resolution	0.01 mm	0.01 mm

Diameter/length	Technically specified	Guaranteed for this specific device
Unit of measurement	mm / Inch	mm / Inch
Measuring range	0 – 26 mm	3 – 26 mm
Measuring accuracy	±0.05 mm	±0.05 mm
Measurement resolution	0.01 mm	0.01 mm

Hardness	Technically specified	Guaranteed for this specific device
Measuring range	4 – 500 N (standard), 8 – 1 000 N (optional), 4 – 50 N (optional)	4 – 400 N (standard), 8 – 800 N (optional), 4 – 40 N (optional)
Measuring accuracy	±1 N (standard), ±2 N at 1000 N (optional), ±0.1 N at 50 N (optional)	±1 N (standard), ±2 N at 800 N (optional), ±0.1 N at 40 N (optional)
Unit of measurement	N / Kp / SC	N / Kp / SC
Calibration	Static, optional dynamic	Static, optional dynamic

General	
Interfaces	Industrial connector (Harting) / 2 x USB interface
W x D x H	538 x 529 x 490 mm
Weight of basic unit	48 kg
Mains connection	100 – 240 VAC, 50 / 60 Hz
Maximum power consumption during operation	≈ 70 W
OEB class	OEB 4

Type options:

UTS X with CleanFeed®

UTS X with AutoLevel®

CleanFeed®

VibraFix module

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