AT 7 smart

AT *7smart* Dissolution Testing unit for USP Methods 1, 2, 5 and 6

SWISS QUALITY
ISO 9001

Our design fits everywhere

- 7 stirrer stations with identical test conditions for 6 test samples and 1 placebo or blank solution
- Compact, space-saving construction
- Operating conditions programmable on front key pad
- Protocol print of test parameters incl. temperature, rpm, sampling times on any printer
- Integrated vessel lids; i.e. no manual removal or positioning of vessel lids
- Automatically calibrated vessel centering and stirrer positions
- Handy feeder device for test samples and as option staggered tablet feeding
- Programming for off-line fraction collection built in
- RS-232-C interface for connection to printer or for automation

The *smarter* choice for accurate and efficient dissolution tests

sotax

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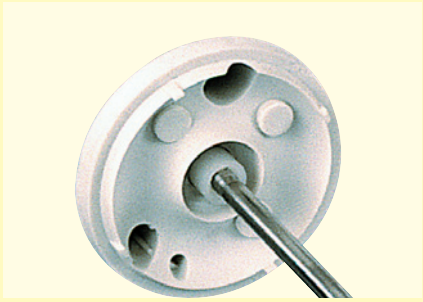


Integrated vessel lid

The SOTAX AT 7*smart* dissolution testing unit determines the speed of dissolution of tablets and capsules etc. according to pharmacopoeia requirements. Outstanding technical features and practical applications contribute to the worldwide success of this testing unit.
Since it takes up a minimum amount of space, it fits into any standard test laboratory. Beside its exceptional user-friendliness, the equipment is particularly noted for its high manufacturing quality. The AT 7*smart* was developed under ISO 9001 utilising the Autocompliance™ concept.
This ensures that the time devoted to validation is significantly less than for other units. These advantages are coupled with optimum operational safety in long-term use.

Features

The dissolution test instrument AT 7*smart* is the result of SOTAX's many years of experience in the development and manufacture of tablet dissolution test instruments. The AT 7*smart* conforms to latest USP/FIP guidelines and can be used for dissolution tests using the USP methods 1 (basket), 2 (paddle), 5 (TDS paddle-over-disk) and 6 (TDS rotating cylinder method).
On the front panel key pad with graphic display test parameters like temperature, speed, tablet feeding and sampling time may be programmed.

Integrated vessel lids ensure automatic vessel centering and precise positioning of the stirrers without additional tools. Due to the closed design loss on evaporation is < 0.5 % in 24 hours at 37 °C.

Automation

The AT 7*smart* can be automated at any time. The modular concept permits substantially tailor-made automation solutions.
Hollow stirring shafts with suction opening and filter head are used for sampling purposes.

Without additional PC and software:

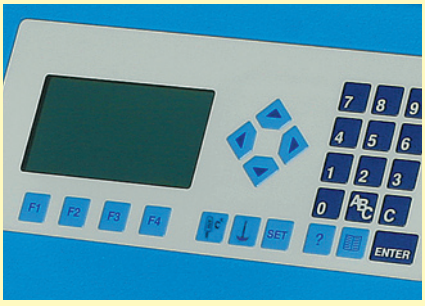
- Control of automatic tablet input at programmed time.
- Control of off-line sampling with fraction collector for subsequent processing and analysis (e.g. dilution, HPLC etc.).

With WinSOTAX advanced dissolution software (Windows 2000/XP):

- On-line system with direct photometric evaluation.
- On-line HPLC system with injection through the SOTAX transfer station directly into the HPLC unit.
- Off-line system with sample collection in the fraction collector.
- Combined on-/off-line system for direct evaluation and/or sample collection or system with multiple baths.

Technical data

Test stands	7
Bath capacity	17.5 litres
Temperature	20 – 60 °C
Range	± 0.2 °C
Speed range	25 – 250 rpm
Power supply	230 V/50 Hz or 110 V/60 Hz
Interface	RS-232-C
Width/depth	595/520 mm
Height	420 mm
Weight	ca. 35 kg



Front panel

Validation and calibration

The SOTAX AT 7*smart* dissolution test instrument meets all requirements relating to validation, qualification and regular calibration. With the unique Autocompliance™ design concept your validation time is reduced. The appropriate qualification documentation (IQ/OQ) can be supplied with each instrument.
Frequent checks of the stirrer height, centering, shaft wobble or sampling position are not required. Validation and calibration are limited to the 6-month apparatus OQ/PQ defined by the FIP. Documentation relating to the regularly recurring system calibrations can be provided as well as a calibration check set. Validation and qualification can also be carried out in the customer's laboratory by SOTAX staff.

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