

## Dissolution Tester CALEVA 11+ST



The high standard dissolution tester CALEVA 11+ST guarantees an easy and comfortable access with its individual display for each test-run parameter (time, rpm, temperature) and UP/DOWN buttons for fast and easy test-run parameter settings. For better observation of the sample dissolving process the one-piece moulded water bath (with standard water outlet cock) is illuminated (optional).

The manual lifter column, with hydraulic support for effortless operation, allows raising and lowering of the drive head in just a few seconds.

Tablets/Pellets etc. are inserted through the sampling openings in the drive head via the standard tablet delivery system. Samples for analysis are withdrawn through special, membrane sealed sampling openings inside the drive head (only low-head).

Due to the extensive use of carbon fibre, the use of metal is eliminated and therefore reduces the risk of corrosion to a minimum.

### Technical Specification

- Easy and comfortable operations: UP/DOWN and START/STOP buttons for test parameter setting as well as individual big and bright LE displays for display
- Manual lifter with hydraulic support
- Low-head and high-head operations
- Quick exchange system for the stirring methods
- Automatic height adjustment of the stirring elements
- Video monitoring and recording
- Automatic vessel centring
- One-piece leak-free moulded, illuminated (optional) water bath with outlet cock
- Corrosion-free plate for holding the vessels
- Evaporation less than 0.3% in low-head mode and less than 0.7% in high-head mode (24h/37.0 C)
- External heating system with control by the keypad and LE display of the 11+ST; accuracy  $\pm 0.2$  C
- Standard tablet drop magazine for 8 samples. Optional automatic tablet drop with control of temperature tolerance (USP) before drop
- Internal PT 100 temperature sensor for water bath temperature display
- Optional external PT 100 temperature sensor for water bath- or media temperature display
- Optional monitoring of the media temperatures by electronic PT 100 temperature sensors
- Calibration menu for quick calibration of the 1 or 9 temperature sensors
- Shaft wobble less than 0.2 mm at delivery
- Height adjustable feed for levelling
- Automatic self-check of the temperature in the bath/vessels before test start
- Hours of operation counter
- RS 232 serial interfaces for external control
- Optional USB printer interface for documentation of the test run parameters (time, date, rpm, temperatures etc.) by a standard printer (PCL 3 language)
- Optional USP sampling station with automatic height adjustment of the USP sampling points – to create a dissolution system
- Optional video monitoring of six test positions