PRODUCT INFORMATION
18 December 2015

TD 1 – NEW DESIGN

New housing – proven functions

The TD 1 tap density tester is now available with new housing in Dr. Schleuniger® Pharmatron design. All proven functions and options of the TD 1 such as the fast and efficient SingleButton™ operation to navigate quickly through the user menu, the single position for all measurements with "easy to lock" cylinders, or printing via Ethernet LAN remain 100 % identical.

→ New TD 1 tap density tester

Only few SOTAX-style units left!
We kindly inform all customers and SOTAX sales and service partners that shipping of the TD 1 with new Dr. Schleuniger® Pharmatron housing will start in March 2016. There is no change in functionality, USP compliance or pricing. The SOTAX-style TD 1 will no longer be available as of March 2016.

Only few SOTAX-style units left!

Features and benefits

The flexible TD 1 tap density tester with one single measurement position excels with user-friendly operation and fulfills all USP, EP, and ASTM requirements.

Regulatory compliance guaranteed.
To ensure ease of regulatory compliance, the TD 1 features one single measurement position only for both USP 1 / EP 1 and 2 tests. An adapter is used to change the drop height required for USP 2 / EP 2 / ASTM tests. Upon detection of the adapter presence, the TD 1 will only allow the user to start a USP 2 / EP 2 test or define a "user-defined" method with customized parameters.

User-friendly **SingleButton™** operation.
Operating the TD 1 is simple. SingleButton™ navigation allows users to quickly start tests and navigate through the menu when required. Method parameters can be easily set to comply with different standards.

GMP/GLP-compliant reporting.
Weight readings before and after each test run can be either entered manually or collected automatically from a connected analytical balance. Reports can be printed out either on a local or network printer and include the serial number of the instrument, test parameters, test results along with a calculation as Tapped Density, Compressibility index, and Hausner ratio.

→ Single measurement position with "easy to lock" cylinder

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Technical specifications

Test methods	USP 1 / EP 1, USP 2 / EP 2 / ASTM, or user-defined
No. of stations	1
Strokes / min.	50 - 300 strokes: • 300 (for USP 1 / EP 1) • 250 (for USP 2 / EP 2)
Stroke height	• 14 mm ± 2 (USP 1 / EP 1) • 3 mm ± 0.2 (USP 2 / EP 2)
Voltage	110 – 230 V, 50 – 60 Hz
Balance connection	yes (with optional balance)
Printed test report	yes (with optional printer)
Qualification	menu-guided, incl. report
Balance interface	RS-232
Printer interface	RS-232, Ethernet LAN
PC software	q-doc

Ordering information

Only 3 article numbers change: the P/N of the main unit, the P/N of the operating instructions, and the P/N of the packaging – all options and spare parts remain identical.

230773	TD 1, tap density tester, including: • 2 x cylinder holders (100 mL, 250 mL), • 2 x glass cylinders (100 mL, 250 mL) • 1 x height adapter (spacer)
BA230773EN	Operating instructions, English
Z600-0281	Packaging, for TD 1
11181	Acoustic cabinet (sound-proof enclosure)
C100-0111	Printer (laser, LAN)
C100-0050	Printer (label, RS-232, serial)

Manage ALL physical testing data

q-doc PC software allows you to collect and manage data from all SOTAX and Dr. Schleuniger® Pharmatron physical testing instruments – from tablet hardness testers to disintegration, friability, tap density and flowability testers. In addition, other equipment such as analytical balances (Mettler Toledo® and Sartorius®), Mitutoyo thickness gauges, Preisser gauges, and Mettler halogen moisture analyzers can be connected. In a networked environment, batches only need to be registered once in order to collect measurement data from different instruments. Measurement reports and batch reports can be electronically judged and released directly in q-doc if desired – and import/export functionalities for LIMS are readily available.