



2451 TRACK TESTER

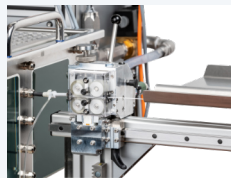
The **2451 Track Tester** is designed to test and record the mechanical properties of guidewires and catheters in a water bath at body temperature. The machine impresses with a flexible recipe design, recording and storing of data. The proximal roller or torque assembly and the sensors can be selected and programmed as required. The recipe management is used to define the customer specific test sequence. The track setup can be equipped with a pump including flow measurement and additional tools can be added. The movements can also be performed manually with a joystick. A camera as well as an underwater camera record the process.

Tests:

- bending / kinking
- push ability / push efficiency
- torsional strength
- stability of the connections against twisting
- guide ability
- applied force on a simulated vessel wall
- other evaluations such as averages of multiple tests, automatic multiple runs of the same test and more



Submersible Track Plate



Proximal Roller Assembly



Proximal Torque Assembly



BW-TEC HMI

Technical Specifications

Proximal Drives

product range \varnothing 0,5 - 5mm

product feed with joystick possible

Proximal Roller Assembly:

- load cells: $\pm 2\text{kg}$, $\pm 3\text{kg}$ or $\pm 5\text{kg}$
- adjustable contact pressure with force display
- encoder position feedback of 0.1 mm
- exchangeable rolls (PU or silicone)

Periphery

2x non contact laser position markers

1x top and 1x underwater camera for video play back with live forces

Track (submersible)

unit with pump and flow measure up to 3000ml/min with Luer Lock male

3 force sensors ($\pm 5\text{kg}$, $\pm 1\text{ kg}$, $\pm 100\text{g}$)

reaction torque sensor $\pm 1\text{Nm}$

fixture for bending/kinking test with feeder unit

Water (260L)

water temperature 21 - 50°C \pm 2°C

(with auto start for heating and power save functions)

advanced water treatment to maintain clean water for several months

Handling

user-friendly interface

BW-TEC HMI on touchscreen

PLC controller and PC for HMI and data management, network compatible

General

dimensions (L x B x H): 1700x 1550x 980mm (without table)

weight 310kg (570 kg with water)

power 3x230 VAC / 4000W