

TL7000

Total Acid/Base Number Titrator

ASTM D94, ASTM D664, ASTM D974, ASTM D2896
ASTM D4739, ASTM D4929, ASTM D3227
UOP 163, UOP 212, EN 14111

With its performance spectrum, the TL7000 total Acid/Base Number Analyzer is the ideal starting device for potentiometric titration with potential for expansion and automation. high-resolution and precise pH/ mV and "dead-stop" measuring interface, makes it possible to determine a wide range of parameters quickly, reliable and accurate.

Features

- High visibility, full color display that can be easily viewed from a distance and at extreme angles.
- Reagent data is securely stored in the intelligent and interchangeable modules
- Includes up to three USB, one LAN and two RS232 ports for expansion and connection of devices
- Export the results as PDF or CSV, also to networks.

"Specific features for the TL7000

- Automatic wireless recognition of SI Analytics ID electrodes guarantee accurate calibration and measurements
- High resolution pH/mV-electrode and temperature inputs for pH, ISE, redox (ORP) or photometric titrations.
- Perfect for non-aqueous titration such as acid and base numbers in oils according to ASTM D664 (TAN) and ASTM D2896 (TBN)
- Polarizable electrode input for set endpoint titrations
- Linear (fixed increment) and dynamic equivalence point titration mode and titration to endpoints
- Single and continuous measuring function
- Formula editor for individual calculations
- User management/password



Specifications

Measuring input analog	pH/mV-input with 24 bit transducer. Electrode socket according to DIN 19 262 or BNC with RFID receiver for SI Analytics ID electrodes
Measuring range pH/ accuracy	3.0... 18.00 / 0.002 +/- 1 digit
Measuring range mV/ accuracy	2000...2000/ 0.1 +/- 1 digit
Measuring input μ A	μ A-connector for double platinum electrodes, connection: 2 x 4 mm – sockets), polarisation voltage variably adjustable
Measuring input temperature	Connector for Pt 1000 / NTC 30 KOhm (connection: 2 x 4 mm – sockets)
Measuring range temperature	Pt 1000 – 75...195 °C / NTC 30 KOhm – 40 ...125 °C
Interfaces	3 x USB (2 x USB-A and 1 x USB-B), 2 x RS-232-C and 1 x LAN
Interchangeable burettes	5, 10, 20 ml or 50 ml intelligent interchangeable burette units
Resolution (Steps)	20.000 steps
Dosing accuracy	according to DIN ISO 8655, part 3: accuracy: < 0.15 % precision: < 0.05 – 0.07 % (in dependence of the used burette size)

