titramax VT

Volumetric titrators

made by ECH

Examples of device variants

Bromine Titrator

Determination of Bromine Index or Bromine Number of hydrocarbons according to standards

- ASTM D 1159
- ASTM D 2710
- ASTM D 5776

Chloride Titrator

Determination of chlorides in water and extracts according to the standards

- ASTM C 1218
- ASTM D 4458-15
- ASTM D 4929-22
- ASTM D 6470-99
- DIN EN 196-2
- ISO 5810
- ISO 5943
- ISO 6227
- ISO 9197-1
- UOP 456-80

Photometric Titrator

Titration with colour indicator for endpoint determination using a photometric sensor

- Chondroitin sulphate sodium according to Ph. Eur. and USP
- Carboxyl end groups in PET
- TAN/TBN according to ASTM D 974
- Sulphate (Thorin indicator)
- Ca/Mg and total hardness



Titramax VT - Accessories and equipment for various volumetric measuring methods available

Acid/Base Titrator

Determination of acids and bases, carbonates, bicarbonates and others according to standards

- ASTM D 1121
- DINg EN ISO 787-4
- DIN ISO 125
- ISO 10539

Sulphur Titrator

Determination of H_2S and mercaptan sulphur in hydrocarbons and oils according to standards

- ASTM D 3227
- ISO 3012
- UOP 163
- UOP 212

TAN/TBN Titrator

Determination of total acid or base number of oils and fats according to standards

- ASTM D 664
- DIN 51558
- IEC 62021-1
- Pharmacopoeia
- ASTM D 2896
- ASTM D 4739
- ISO 3771
- UOP 269

Water Titrator

Water determination in liquids by volumetric Karl Fischer titration according to standards

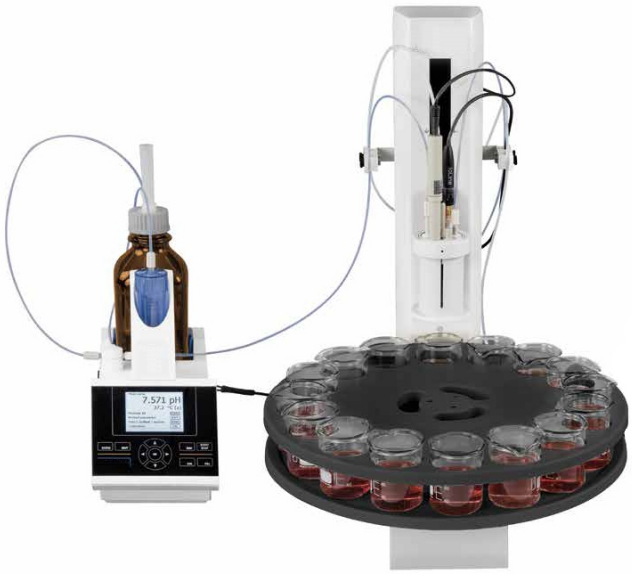
- ASTM D 4377
- ASTM D 6869
- ASTM E 203
- DIN 51777
- Pharmacopoeia
- IP 356
- IP 471
- ISO 10336
- ISO 6296

Features

- Complete measuring station for the desired parameter
- Including application note with step-by-step instructions
- Measuring method prepared according to the corresponding standard
- Titrator is immediately ready for use
- Titration process runs automatically
- Easy handling for everyone
- Dimensions 30 x 45 x 30 cm (W x H x D), height with exchange unit
- Weight approx. 3.5 kg (with exchange unit and empty reagent bottle)

Autosampler for the Titramax VT

- Stirring from below (built-in magnetic stirrer) or from above with an optional rod stirrer (propeller stirrer)
- Sample trays with 12, 16, 24 or 42 positions
- Five different titration heads
- Titration heads and sample trays easy and quick to change
- Calibration of a pH electrode also possible on the sample changer
- Control of the autosampler via the TitriSoft software



Titramax VT with connected autosampler for 16 samples



Titramax VT with connected autosampler for 42 samples

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the ECH advantage

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