

PRODUCT INQUIRY

REQUEST QUOTE

LABORATORY EQUIPMENT

WATER QUALITY KNOWLEDGE

TITRO5-E

Automatic Potentiometric Titrator · Titrimetric Analysis · Karl Fischer Moisture Application Support

TITRO5-E Automatic Potentiometric Titrator is a laboratory titration platform for precise titrimetric analysis, automatic potential titration and method-controlled endpoint workflows. It supports DET, MET, SET and manual titration modes, includes touchscreen operation, method and data storage, titration curve storage, GLP-oriented functions and output to printer or PC. Moisture content is one of the key parameters in many industrial and laboratory processes; when exceptional precision is required, especially for trace moisture applications, Karl Fischer titration is an essential analytical approach.

AUTOMATIC TITRATOR

POTENTIAL TITRATION

DET / MET / SET / MAT

TOUCHSCREEN

100 METHODS

200 DATA SETS

200 CURVES

GLP

PH / MV / TEMP.

PC / PRINT

Document type: **Technical Specification Sheet**

Product family: **Automatic Titration / Water Quality and Analytical Laboratory Equipment**

Model: **TITRO5-E** · SKU: **PRO3380**

Main application profile: **titrimetric analysis, potentiometric titration and moisture-related analytical workflows**

Format: **A4 landscape · COLO.Science TechSpec v2.4 with navigation links**



TITRO5-E · automatic potentiometric titrator · main product

MODEL / SKU

TITRO5-E
PRO3380

ADDRESS / HQ

Polje ob Sotli 4
SI-3255, Slovenia

CONTACT

sales@colo.si
+386 64 222 724

PRODUCT INQUIRY

REQUEST QUOTE

COLO.SCIENCE HOME

WATER QUALITY KNOWLEDGE

TITRO5-E · technical specification

Automatic potentiometric titrator for titrimetric analysis, endpoint titration and GLP-supported reporting workflows

TITRIMETRIC ANALYSIS

AUTOMATIC POTENTIAL TITRATION

PH 0.000–20.000

MV ±2000.00

TEMP. -5.0 TO 105.0°C

RSD ≤0.2%

— Laboratory titration platform for quality control and analytical method workflows

Product Overview

Application profile

Titrimetric analysis: designed for routine and method-controlled laboratory titration workflows.

Moisture-related workflows: supports analytical workflows where moisture content is a key process and quality parameter.

Quality control: suitable for industrial laboratories, research laboratories and QA/QC departments requiring repeatable titration data.

Method flexibility: supports acid-base, non-aqueous, precipitation, REDOX and complexometric titration applications.

Design and handling advantage

Touchscreen operation: intuitive user interface for method selection, measurement control and data handling.

Method storage: 100 titration method sets for standardized routine workflows.

Data management: 200 data sets and 200 titration curve sets support laboratory record review.

GLP orientation: GLP features help structure reporting and traceability in controlled laboratory environments.

Key features

Automatic potential titration: automatic endpoint-oriented titration based on potential measurement.

Multiple titration modes: DET, MET, SET and MAT modes for dynamic, monotone, preset endpoint and manual titration.

pH calibration and measurement: supports 1–3 point pH calibration and pH measurement.

Measurement inputs: pH, mV and temperature ranges support common potentiometric titration methods.

Output: printing and PC communication support reporting and result documentation.

Core technical summary

Parameter	Specification
Model	TITRO5-E
SKU	PRO3380
Instrument type	Automatic potentiometric titrator
Analysis type	Titrimetric analysis
Control	Touchscreen operation
Method storage	100 titration method sets
Data storage	200 data sets
Curve storage	200 titration curve sets
Repeatability	RSD ≤0.2%
Output	Print and PC

METHODS

100 titration method sets

DATA MEMORY

200 data sets

CURVES

200 titration curve sets

REPEATABILITY

RSD ≤0.2%

Technical Specifications

Measurement ranges and performance

Parameter	Specification
Analysis type	Titrimetric analysis
pH range	0.000 to 20.000 pH
mV range	-2000.00 to 2000.00 mV
Temperature range	-5.0 to 105.0°C
Repeatability	RSD ≤0.2%
10 mL burette accuracy	±0.020 mL
20 mL burette accuracy	±0.030 mL
pH calibration	1–3 point pH calibration and measurement
Standard buffers	NIST pH standard solutions: 4.01, 7.00 and 10.01

Titration modes

Mode	Description
DET	Dynamic equivalence point titration.
MET	Monotone equivalence point titration.
SET	Preset endpoint titration.
MAT	Manual titration.

System, methods and data handling

Function	Specification
Automatic titration type	Automatic potential titration
User interface	Touchscreen
Titration method sets	100 sets
Data sets	200 sets
Titration curve sets	200 sets
GLP functions	Supported
Output	Printer and PC
Titration methods	Acid-base including non-aqueous titration, precipitation, REDOX and complexometric titration.
Moisture application note	Karl Fischer titration is the preferred analytical approach for precise trace moisture determination when the method and configuration are confirmed.
Product inquiry	Contact COLO.Science for TITRO5-E configuration
Knowledge area	Open Water Quality knowledge category

Specification note

Method confirmation: final titration method, electrode combination and burette configuration should be confirmed for the exact sample matrix.

Moisture determination: KF titration should be confirmed with the required method setup, reagent compatibility and delivered configuration before procurement.

Reporting: GLP features, curve storage, PC connection and print output support routine laboratory documentation.

Technical values are provided for product selection and orientation. Final delivered configuration, electrodes, burettes, reagent compatibility, accessory set and official documentation should be confirmed through the official COLO.Science quotation or manufacturer-confirmed offer.

Standard Delivery, Electrodes and Visual Support



 Colo Science
Laboratory & Scientific Equipment

TITRO5-E · automatic titrator system · SKU PRO3380

Packing includes

10 mL burette: standard burette included in the delivery set.

232-01 reference electrode: reference electrode for applicable potentiometric methods.

213-01 platinum electrode: platinum electrode for suitable REDOX and related titration workflows.

216-01 silver electrode: silver electrode for applicable precipitation and silver-electrode titration methods.

217-01 reference electrode: additional reference electrode included in the packing list.

231-01 pH indicator electrode: pH indicator electrode for pH measurement and acid-base titration applications.

T-818-B-6 temperature probe: temperature probe for temperature-supported measurement workflows.

NIST pH standard solutions: pH 4.01, 7.00 and 10.01; 50 mL per vial.

Method and configuration checklist

Before quotation

Sample matrix: confirm aqueous, non-aqueous, oil-based or other matrix type.

Target parameter: confirm moisture, acidity, alkalinity, chloride, REDOX or other titration target.

Endpoint logic: confirm equivalence point, preset endpoint or manual titration requirement.

Before delivery

Burette: confirm 10 mL or 20 mL burette requirement and dosing accuracy expectations.

Electrodes: confirm electrode compatibility with the titration method and reagent system.

Reporting: confirm PC, print and GLP documentation requirements.

Navigation note — this specification is linked back to COLO.Science

This technical specification contains direct links to the quotation request page, COLO.Science home page and water-quality knowledge area. If a user opens this document directly from Google or on a mobile device, the page remains connected to the main website and quotation path.

Selection and Use Notes

For moisture workflows

KF requirement: confirm Karl Fischer method setup, reagent compatibility and measurement range.

Trace moisture: method validation is essential when working at very low moisture levels.

For general titration

Method type: confirm acid-base, precipitation, REDOX or complexometric method before configuration.

Electrode set: match the electrode to the chemistry and endpoint detection principle.

For GLP workflows

Documentation: use stored methods, data sets and titration curves for repeatability and review.

Output: confirm printer or PC workflow before final configuration.

PRODUCT INQUIRY

REQUEST QUOTE

WATER QUALITY KNOWLEDGE

COLO.SCIENCE HOME

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: Send the sample matrix, titration target, required method type, moisture or non-moisture application, required burette volume, electrode configuration, reporting workflow and PC/print requirement. COLO.Science can help confirm the correct TITRO5-E configuration for the intended analytical method.

QUICK CONTACT

 colo.si

 sales@colo.si

 **+386 64 222 724**

 [TITRO5-E product inquiry](#)

COLO.SCIENCE · TITRO5-E AUTOMATIC POTENTIOMETRIC TITRATOR SUPPORT

Need help confirming the correct TITRO5-E titration configuration?

Send the sample matrix, analytical target, titration method, required burette size, electrode configuration and documentation requirements. COLO.Science can help confirm whether TITRO5-E is the correct configuration for your titrimetric analysis, moisture-related workflow or QA/QC method.

Request product inquiry

Request a quote

Water quality knowledge

COLO.Science home

Product inquiry: **Contact COLO.Science for TITRO5-E Automatic Potentiometric Titrator**

Official configuration and manufacturer-confirmed specification notice:

This technical specification is provided for orientation, product selection and general information only. It does not represent the final binding technical specification, delivered configuration, accessory set, procurement requirement or acceptance criterion for a specific unit. The final official technical specification is only the specification confirmed by the manufacturer and issued for the exact configuration through an official COLO.Science quotation, proforma invoice, contract document, order confirmation or manufacturer-approved technical offer. Any values, options, accessories, electrodes, burettes, reagent compatibility notes or configurations shown in this document must be verified for the specific delivery and should not be used as an exclusion or elimination criterion in procurement procedures without written manufacturer confirmation.