

TITRO5

Automatic Potentiometric Titrator • DET / MET / SET / MAT • 7" touchscreen • GLP

TITRO5 Automatic Potential Titrator is an automatic potentiometric titrator for acid-base, redox and precipitation titrations. It combines a 7" colour touchscreen with guided operation, a replaceable high-accuracy burette (10 or 20 mL), DET, MET, SET and MAT titration modes, pH and mV measurement (0.000–20.000 pH, ± 2000.00 mV), automatic temperature compensation, 100 user methods, 200 GLP result sets with curves, USB / RS-232 connectivity and autosampler support.

AUTOMATIC TITRATOR

DET / MET / SET / MAT

7" TOUCHSCREEN

± 0.002 PH

BURETTE 10 / 20 ML

100 METHODS

GLP • 200 RESULTS

USB / RS-232

AUTOSAMPLER READY

Document type: **Technical Specification Sheet**

Product: **TITRO5 Automatic Potential Titrator**

SKU: **PRO3380**

Format: **A4 landscape • 5 pages**

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TITRO5 • Automatic Potential Titrator

TITRO5

Automatic Potential Titrator

Operation guide

Installation • Operation • Methods • Maintenance



► [Watch the operation video \(5:03\) • installation, settings, calibration and measurement](#)

MODEL / SKU

**TITRO5
PRO3380**

ADDRESS / HQ

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SI-3255, Slovenia**

CONTACT

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TITRO5 • technical specification

Automatic potentiometric titration with methods, curves and GLP data management

PH 0.000–20.000

MV ±2000.00

BURETTE 1/30000

REPEATABILITY ≤0.2 %

100 METHODS

— Automatic titration for QC, food, pharma, water and research laboratories

Product Overview

Application profile

Acid-base titration: acidity, alkalinity, acid number, TAN / TBN with the pH electrode.

Redox titration: COD, permanganate, iodometric and dichromate methods with the platinum electrode.

Precipitation titration: chloride, salt and silver methods with the silver electrode.

Routine QC and research: methods, formulas and GLP records for repeatable results.

Key features

pH: 0.000–20.000 pH, resolution 0.001 pH, accuracy ±0.002 pH.

mV: –2000.00 to 2000.00 mV, resolution 0.01 mV, accuracy ±0.03 % or ±0.2 mV.

Burette: 10 or 20 mL; accuracy ±0.020 / ±0.030 mL; repeatability ≤0.2 %.

Temperature: –5.0 to 105.0 °C, ±0.2 °C, automatic compensation.

Data: 200 GLP result sets with curves; USB and RS-232.

Core technical summary

Parameter	Specification
Model	TITRO5
SKU	PRO3380
Instrument type	Automatic potentiometric titrator
Titration modes	DET / MET / SET / MAT
Display	7" colour touchscreen
pH accuracy	±0.002 pH
mV range	±2000.00 mV
Burette	10 mL (20 mL optional)
Methods / data	100 methods, 200 results
Outputs	USB, RS-232

Design and handling advantage

Automatic dosing: replaceable burette, resolution 1/30000, accuracy ±0.020 mL (10 mL).

Four modes: DET and MET equivalence point, SET preset endpoint and MAT manual titration.

Methods and data: 100 methods, 10 shortcuts, auto calculation, 200 results with curves.

Connectivity: USB / RS-232 to PC and printer, autosampler, optional second burette.

PH ACCURACY
±0.002 pH

BURETTE RESOLUTION
1/30000

REPEATABILITY
≤0.2 %

METHODS
100 user methods

Technical values are provided for product selection. The delivered configuration, electrode type and accessory set are confirmed in the official COLO.Science quotation.

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Technical Parameters

Parameter	Specification	Parameter	Specification
Model	TITRO5	mV resolution	0.01 mV
SKU	PRO3380	mV accuracy	±0.03 % or ±0.2 mV
Titration modes	DET, MET, SET, MAT	Stability	±0.3 mV / 3 h
Burette	10 mL standard, 20 mL optional	Temperature	−5.0 to 105.0 °C, ±0.2 °C
Burette accuracy	±0.020 mL (10 mL), ±0.030 mL (20 mL)	Display	7" colour touchscreen
Burette resolution	1/30000	Methods	100 user methods, 10 shortcuts
Repeatability	≤0.2 %	Data memory	200 results with curves, GLP
pH range	0.000–20.000 pH	Interfaces	USB, RS-232 (PC, printer), autosampler
pH resolution	0.001 pH	Power supply	AC adapter, DC 24 V
pH accuracy	±0.002 pH	Dimensions	340 × 400 × 400 mm
mV range	−2000.00 to 2000.00 mV	Weight	approx. 10 kg

Specification notes

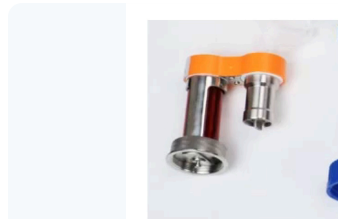
Electrode selection: pH electrode for acid-base, platinum for redox, silver for precipitation titration — see page 4.

Burette: choose 10 mL for small titrant volumes, 20 mL for higher consumption; a second burette driver can be added.

Documentation: methods, results and titration curves are stored GLP-compliant and exported via USB / RS-232.

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Electrodes and Accessories



10 mL

Burette unit 10 mL (with valve)

Replaceable high-accuracy burette with valve; 20 mL burette available.

Standard delivery



PRO6178

Platinum electrode 213-01

Platinum indicator electrode, BNC (Q9).

Standard delivery



PRO6179

Silver electrode 216-01

Silver indicator electrode, BNC (Q9).

Standard delivery



PRO6175

Reference electrode 217-01 (double junction)

Saturated double-junction calomel reference electrode, U-shape terminal.

Standard delivery



PRO6172

Reference electrode 232-01

Saturated single-junction calomel electrode, U-shape terminal.

Standard delivery



PRO6169

Temperature probe T-818-B-6

316 stainless steel, $\Phi 4 \times 120$ mm, $-5 \dots 105$ °C, BNC (Q6).

Standard delivery



PRO6180

pH titration electrode 982201

Conventional glass pH titration electrode, S7 head.

Optional



PRO6183

Silver titration electrode 981121

Combined silver electrode, PTFE body, S7 head.

Optional

More electrodes and accessories

SKU	Item	Use	Status
PRO6141	pH indicator (glass) electrode 231-01	Acid-base titration (standard delivery)	Standard delivery
PRO6121	pH buffer powder 4.01 / 7.00 / 10.01	pH calibration (standard delivery)	Standard delivery
PRO6181	Pollution-resistant pH titration electrode 982202	Dirty / oily samples	Optional
PRO6182	Non-aqueous pH titration electrode 982211	Non-aqueous titration	Optional
PRO6127	3 M KCl electrolyte powder	Refilling reference electrodes	Optional

Standard delivery: TITRO5 unit, 10 mL burette, pH glass electrode 231-01, platinum 213-01, silver 216-01, reference electrodes 232-01 and 217-01, temperature probe T-818-B-6 and pH buffer powders. Standard delivery is confirmed in the quotation.

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TITRO5 automatic potentiometric titrator

Ordering information

Item	Value
Model	TITRO5
SKU	PRO3380
Instrument type	Automatic potentiometric titrator
Burette	10 mL (20 mL optional)
Electrodes	231-01, 213-01, 216-01, 232-01, 217-01
Also included	temp. probe T-818-B-6, pH buffer powders
Options	2nd burette, autosampler, printer

Configuration checklist

Titration type: acid-base, redox, precipitation — determines the electrodes.

Titrant volume: 10 or 20 mL burette; second burette for two titrants.

Sample throughput: autosampler for series of samples.

Documentation: printer or PC software for GLP reports.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: TITRO5 is selected when a laboratory needs automatic, documented potentiometric titration with methods and curves. For simple manual titration choose TITRO20.

QUICK CONTACT

 colo.si

 sales@colo.si

 +386 70 713 437

 [Watch the operation video](#)

COLO.SCIENCE · TITRATOR CONFIGURATION SUPPORT

Need help choosing the right titrator or electrode?

Tell us the titration method, sample and throughput. COLO.Science will confirm the burette, electrodes and TITRO5 configuration for your laboratory.

Web: colo.si

Ask us:

Price and current discount, delivery time, electrode selection for your sample, calibration standards, installation and operator training, spare electrodes and accessories — write to sales@colo.si or call us.

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