



## Mi455 PRO Mini-titrator for the determination of FREE & TOTAL SULPHUR DIOXIDE in wine analysis

**Mi455 PRO** is a user-friendly microprocessor-based mini-titrator for the determination of free and total sulphur dioxide in the process of wine making. This mini-titrator will give you direct readings with a range of 0 to 400 ppm.

The instrument comes with a pre-programmed analysis method for free and total sulphur dioxide measurements on wine sample.

Specifications	Mi455 PRO Sulphur Dioxide
Range	0 to 400 ppm of SO <sub>2</sub>
Resolution	1 ppm
Accuracy	5% of reading
Method	ripper titrimetric method
Principle	equivalence point redox titration
Sample volume	50 mL
ORP electrode	MA924B/1 (included)
Pump debit	0.5 mL/min
Stirring speed	1500 rpm
Environment	0 to 50°C; max RH 95%
Power supply	220V/50 Hz; 10VA
Dimensions	350 x 310 x 250 mm
Weight	5,5 kg

### Ordering Information

**Mi455 PRO** is supplied complete with:

Calibration standard SO<sub>2</sub>, Titrant SO<sub>2</sub>, Alkaline reagent for total SO<sub>2</sub>, Acid reagent for total SO<sub>2</sub>, Acid reagent for free SO<sub>2</sub>, Stabilizer, SO<sub>2</sub>, MA924B/1 ORP electrode, small stir bar, 2 x 50 mL beakers, 2 x 25 mL beakers, Refilling Electrolyte Solution 3.5M KCl for ORP electrodes 230 mL bottle, test tube set, O-ring, 1 mL syringe, power cable and instruction manual.

## Mi 456 PRO Mini-titrator for the determination of TITRATABLE TOTAL ACIDITY for wine analysis

**Mi456 PRO** is a user-friendly microprocessor-based mini-titrator for the determination of the titratable total acidity in the process of wine making. This minititrator gives you direct readings in g/L of tartaric acid, with a range of 0.0 to 25.0 g/L.

The instrument comes with a pre-programmed analysis method for the titratable total acidity measurements on wine sample.



Specifications	Mi456 PRO Titratable Total Acidity
Range	0.0 to 25.0 g/L of tartaric acid
Resolution	0.1 g/L
Accuracy	5% of reading
Method	acid-base titration method
Principle	end-point titration
pH Calibration	1 point in selected end-point: 7.00 pH or 8.20 pH
Sample volume	2 mL
Temperature Compensation	Automatic from 0.0 to 100.0°C
pH Electrode	MA919B/1 (included)
Temperature Probe	MA831R (included)
Pump debit	0.5 mL/min
Stirring speed	1500 rpm
Environment	0 to 50°C; max RH 95%
Power supply	220V/50 Hz; 10VA
Dimensions	350 x 310 x 250 mm
Weight	5,5 kg

**Mi456 PRO** is supplied complete with:

Calibration standard TA, Titrant TA, Buffer pH 7.0, Buffer pH 8.2, MA919B/1 pH Electrode, MA831R Temperature probe, MA9011 Refilling Electrolyte Solution 3.5M KCl, for pH electrodes 230 mL bottle, small stir bar, 2 x 50 mL beakers, 2000 µL pipette, test tube set, O-ring, 1 mL syringe, power cable and instruction manual.

### Accessories

**MA924B/1** ORP Electrode for Mi455

**MA919B/1** pH Electrode for Mi456

**MA831R** Temperature probe for Mi456

**MA9011** Refilling Electrolyte Solution 3.5M KCl, for ORP electrodes, 230 mL bottle

**Mi0009** Small stir bars (5 pcs)

**Mi0020** 50 mL beaker (4 pcs)

**Mi0021** 25 mL beaker (4 pcs)

**Mi0022** 2000 µL pipette (1 pc)

**Mi0023** Pipette tips for 2000 µL pipette (4 pcs)