

PCLM3 Chloride Titrator



- For clinical & industrial applications
- Three measurement ranges
- Large, clear display
- Easily maintained
- Simple to operate
- Fast, reliable results

The Jenway PCLM3 is designed as a dual purpose chloride analyser for clinical and industrial applications. The unit has three measurement ranges; two are for use in clinical determinations and require 20µl and 100µl samples, and the third range is for industrial determinations and requires a 500µl sample.

The system operates on the proven coulometric principle, providing a quick and easy method to multiple measurements. Automatic indication is given when the reagent requires replacing or the electrodes need cleaning.

The PCLM3 will determine concentrations in biological samples such as serum, plasma, urine, sweat and CSF, and in industrial samples with low ionic strength, neutral pH and free of silver halides, other reactive silver components (other than chloride), low solid matter and low levels of dissolved solids.

Methodologies are available for the measurement of chloride in:

- | | |
|--------------------------------|----------------------------|
| 1. Oil based mud | 6. Milk |
| 2. Sodium bicarbonate crystals | 7. Cement |
| 3. Smoked fish | 8. Cheese |
| 4. Biological fluids | 9. Curry powder and spices |
| 5. Butter | 10. Seasonings |

Accessories

024 018	Glass beaker
025 011	Acid buffer solution (500ml)
025 012	Gelatin (30ml)
025 013	Chloride standard (clinical) (180ml)
025 014	Chloride standard (industrial) (180ml)
060 028	Electrode polish
060 029	Stirrer bar (qty 10)
504 052	Silver electrodes (1 cathode / 2 detectors)
504 053	Silver anodes (qty 3)

Technical Specifications

	Clinical version	Industrial version
Range	10 to 299mmol/l	10 to 999mg/l
Sample volume	20µl or 100µl	500µl
Reproducibility	±1% for 100µl sample @ 100mmol/l ±1.5% for 20µl sample @ 100mmol/l	±3mg/l
Linearity	Better than ±1mmol/l or ±1% of the concentration value (whichever is the greater) over the range of 10 to 299mmol/l	±3mg/l or 1% (whichever is the greater) over the range of 10 to 999mg/l
Power	240/115V ac ±10% @ 50/60Hz	240/115V ac ±10% @ 50/60Hz
Size	240 x 215 x 160mm	240 x 215 x 160mm
Weight (Kg)	3.1	3.1

Order Codes

- 504 043** **Model PCLM3 Chloride titrator for Medical use**, supplied with mains lead, buffer, gelatin, standard solution (clinical range), 3 silver electrodes, 2 silver anodes, electrode polish, glass beaker, stirrers, tweezers and operating instructions. For 230V/50Hz supply.
- 504 055** **Model PCLM3 Chloride titrator for Medical use**, supplied with US line cord, buffer, gelatin, standard solution (clinical range), 3 silver electrodes, 2 silver anodes, electrode polish, glass beaker, stirrers, tweezers and operating instructions. For 110V/60Hz supply.
- 504 044** **Model PCLM3 Chloride titrator for Industrial use**, supplied with mains lead, buffer, gelatin, standard solution (industrial range), 3 silver electrodes, 2 silver anodes, electrode polish, glass beaker, stirrers, tweezers and operating instructions. For 230V/50Hz supply.
- 504 057** **Model PCLM3 Chloride titrator for Industrial use**, supplied with US line cord, buffer, gelatin, standard solution (industrial range), 3 silver electrodes, 2 silver anodes, electrode polish, glass beaker, stirrers, tweezers and operating instructions. For 110V/60Hz supply.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.