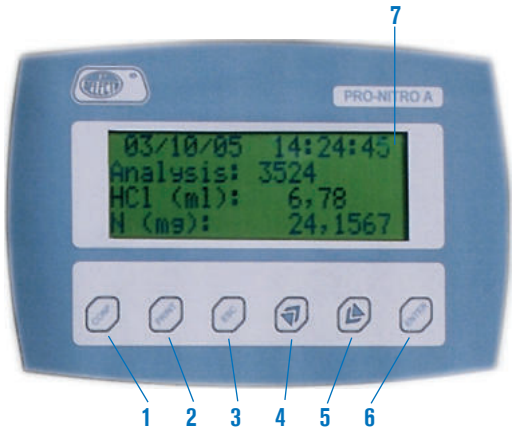


CONTROL PANEL

1. Menu to configure the date, time and selectable parameters.
2. Print the analysis information using the optional printer 4120113, purchased as an accessory.
3. <<ESC>> to cancel changes and escape from the menu.
4. Increase values and navigation through the menu.
5. Decrease values and navigate through the menu.
6. <<ENTER>> to accept changes to parameters and navigation through the menu.
7. LCD display to visualise parameters and results

ADVANTAGES

Excellent precision on results.
Complete Nitrogen recovery from the sample.
Minimum operator intervention.
No calibration required.
Minimum analysis time.

RESULTS

The results can be downloaded to a printer (Optional), required for GLP, and includes the following data:
- Consecutive unrepeatable I.D. number of analysis.
- Date and time.
- Volume of NaOH.
- Volume of Boric acid.
- Reagent normality.
- Nitrogen detected.

```
15/10/05 12:16:08
Analysis Nr: 087598
NaOH:        75ml.
Boric:       25ml.
Normality: 0.1503

Results:
Reagent:    10.521ml
Nitrogen:   22.1382mg
```

ACCESSORIES



Ink printer (not thermal paper), size (4/6/10 cm) suitable for use with the PRONITRO A.
Paper 2 1/4" (56 mm) wide.
Interface RS232.
Includes interface and mains cables.
Part No. 4120113

Digestion and distillation tube. Series MACRO of 250 ml volume. Graduated to 100 ml 42 mm Ø x 300 mm high.
Part No. 4042300



Tube for digestion and distillation. Series MICRO of 100 ml volume. 26 mm Ø x 300 mm high.
Part No. 4001045





Note: Compatible with the "Chiller" water recirculation unit to create a closed cooling water circuit (see page 82).

QUALITY CONTROL INFORMATION
ALL OF THE KJELDAHL DISTILLATION UNITS 4002430 REQUIRE A PROTOCOL ASSAY FOR THE RECOVERY OF NITROGEN WHEN MANUFACTURED.
THESE RESULTS COME WITH THE EQUIPMENT AND ARE VALID FOR IQ AND OQ CLARIFICATION.

COMPLEMENT

Digital colorimeter "Pro-A 520"

MICROPROCESSOR CONTROLLED.
AUTOMATIC ZERO ABSORBANCE AND 100% TRANSMITTANCE.
ALPHANUMERIC 20 CHARACTER 2 LINE L.C.D. DISPLAY.

APPLICATIONS

Reagent preparation for Pro-Nitro A.



FEATURES

Wavelength range: 400 to 800 nm, by using special filters.
Standard filter: 520 nm.
Expanded Absorption range: -0.3 to 3.5 O.D.
Transmission: 0 to 100 T %.
Photometric accuracy: >1 %. @ 1.000 A.
Photometric precision: ±1 %. @ 1.000 A.
Photometric stability: 0.004 A/hr. @ 0.000 A.
Light source: Long life tungsten lamp.
Detector: Solid state.
Sample chamber: 10 mm cuvettes.
Minimum volume: 1 ml.
Display: Alphanumeric LCD display of 2 lines of 20 characters.
Calculation functions: Transmission T %.
Absorbence, Concentration by factor or standard concentrations.
Calibration: Self adjusting by software.
RS-232 interface.

CONTROL PANEL

ON/OFF switch.
Interactive LCD display.
Numeric and function keypad.

SPARE

Lamp of 6 V / 6 mm.
Part No. 4512009

MODEL

Part No.	Built in printer	Height / Width / Depth cm			Power W	Weight Kg
4120029	NO	11	18	28	10	4.5