BS 30

Refrigerated Water Bath

10.0

BS 30

nüve

N-smart

Equipped with N-Smart™ control system, BS 30 Refrigerated Water Bath is designed for bacterial and cell culture, coagulation tests, coliform determination, enzyme reactions, research and many different applications in industrial laboratories.

With the optional external circulation system, the temperature of another system other than the water bath can be controlled.

BODY DESIGN

• Epoxy-polyester powder coated stainless steel housing

• Easy to clean stainless steel tank

• Excellent temperature distribution and stability thanks to the powerful circulation system even at low temperatures
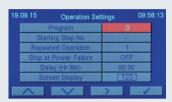

EFFICIENT INSULATION AND COOLING

• High density injected polyurethane insulation against outdoor temperature fluctuations

• Proportional cooling and PID heating system

POWERFUL AND RELIABLE CONTROL SYSTEM: N-Smart™

• Powerful and reliable N-Smart™ microprocessor control system.

• Maximum information with highly visible 4,3″ colourful LCD display.

• Four function keys are versatile and easy to use

• Operation secured by a 4-digit password protected menu

• Standard 5 language options

• Full traceability thanks to graphical and numerical storage of temperature data

• Screen that warns the user by turning red in case of any alarm

• Diagnostic system that simplifies servicing

• Help menu explaining the causes and solutions of errors that may occur

• Energy-saving screen saver by reducing screen brightness (1-300 min.)

• Internal memory that can store the records digitally and graphically for up to ten years

• Alarm and error history kept in memory to facilitate service operations

• Password-protected service menu for software updates, calibration and technical parameter settings

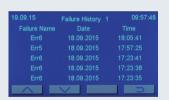• On-screen tracking of data for the last 50 errors on the device

COMPLETE TRACEABILITY AND SECURITY WITH OPTIONAL N-SMART™ COMMUNICATION UNIT

• Possibility to save working data to external memory via USB port

• Ability to select the recording intervals 10, 30 seconds, 1, 5, 30 and 60 minutes

• Ethernet port for Internet connection

• Access all data in memory by providing remote access to the device over the internet with optional NüveCloser™ software

• Ability to send e-mails to 5 different addresses with detailed information in case of errors and malfunctions with Ethernet output

• Thanks to the optional AlerText™ GSM alarm module, in case of error and malfunction, it can provide fast intervention by sending text messages to 5 different phone numbers

• Optional Wi-Fi connection for the N-Mobile™ phone app

TECHNICAL SPECIFICATIONS

	BS 30
Tank Volume, liters	29
Useful Volume, liters	17
Useful Water Height	170 mm
Circulation Pump Capacity	16 lt / min
Temperature Operating Adjustment Range	0°C / 80°C
Temperature Sensor	Pt-100
Control System	N-Smart™ control system with programmable PID microprocessor
Indicator	4,3" Colourful LCD Display
Temperature Adjustment and Reading Sensitivity	0,1°C
Temperature Distribution at (+37°C)	± 0.1°C*
Temperature Fluctuation at +37°C)	± 0.1°C*
Programmable Alarm Limits	± 1°C / 10°C
Program Memory	20
Programmable Number of Steps	20
Program Repetitions	1-99
Timer	1 minute - 100 hours / indefinitely
Delayed Start Timer	1 minute - 100 hours
Alarm	Audio and visual
Insulation	High density injected polyurethane
Internal Material	Stainless steel
External Material	Epoxy-polyester powder coated stainless steel
Power Rating	2000 W
Power Supply	230 V - 50 Hz
Tank Dimensions (WxDxH) mm	300x505x195
External Dimensions (WxDxH) mm	340x630x608
Package Dimensions (WxDxH) mm	430x690x680
Net / Package Weight (kg)	37 / 43

* At 22°C ambient temperature with closed lid

FACTORY FITTED OPTIONS

BS 30WF   Wi-Fi connection for N-Mobile™
BS 30 S   External circulation system

OPTIONS

A 08 190   NuveCom™ communication Unit
A 08 191   AlerText™ GSM alarm modüle
           (should be ordered with A 08 190)
A 08 195   NüveCloser™ Software for
           (should be ordered with A 08 190)
A 08 231   NüveCloser™ Multi Software connection up to 15
           devices (should be ordered with A 08 190

ACCESSORIES

K 04 289   Plexiglass lid (Resists up to 60°C)
K 52 019   Stainless steel lid

K 52 005   Lid with 4 holes (Hole dia. 95 mm)
K 52 006   Lid with 6 holes (Hole dia. 95 mm)
K 52 014   Lid with 8 holes (Hole dia. 95 mm)

A 08 051   Tube rack 52xØ 13 mm, wide 70 mm
A 08 050   Tube rack 30xØ 16 mm, wide 70 mm
A 08 021   Tube rack 27xØ 18 mm, wide 70 mm
A 08 049   Tube rack 12xØ 30 mm, wide 70 mm

O 03 240   Shelf for 12x100 ml flasks
O 03 239   Shelf for 6x250 ml flasks
O 03 237   Shelf for 4x500 ml flasks
O 03 238   Shelf for 2x1000 ml flasks

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