ES SERIES

Cooled Incubators

ES 252

ES 120

nüve

N-ssart

ES Series Cooled Incubators are designed to attain freezing, incubation, drying and test temperatures between -10°C and +60°C.

OUTSTANDING DESIGN

• Solvent resistant epoxy-polyester powder coated stainless steel outer body

• Easy to clean stainless steel chamber

• Perfectly insulated triple glass window and stainless steel frame for ES 120 and ES 252

• Convenient observation of samples through large window and interior lighting for ES 120 and ES 252

• Antifogging inner glass to avoid condensation and outer glass blocking UV light for ES 120 and ES 252

• Internal glass door for ES 600

• Prevention of air leakage from the chamber and ambient ingress with magnetic gasket

• Interior lighting for easy observation of the samples
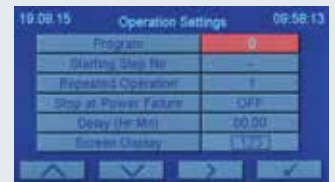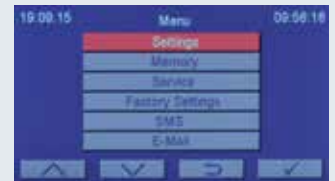
• 25 mm access port as standard

EFFECTIVE INSULATION AND COOLING

• Protection against ambient air temperature fluctuations with high density injected polyurethane insulation material

• Excellent temperature uniformity and stability with powerful air circulation system even at the low temperatures

• Automatic defrost system to prevent the frost on cooling coils for efficient refrigeration

• Proportional cooling and PID heating system

RELIABLE AND POWERFUL CONTROL SYSTEM : N-Smart™

• ES series Cooled Incubators are powered by N-SmArt™ instrument management system which is based on microprocessor technology and it is designed to simplify operation and guarantee the safety of stored samples

• Maximum information - with highly visible 4,3" colourful LCD display

• Versatile & easy use – Four context-sensitive function keys

• Secured run parameters and data - Password protected menu

• 5 Language options: Turkish, English, French, Russian, Spanish

• Optional language selection – Possibility of editing the text into any language using the Latin alphabet as option

• Immediate understanding - Icons make the operations easier

• Full traceability - Operating parameters tracked digitally or graphically against time

• Alarms clearly displayed - Red colour warns the user in case of any alarm condition

• Fault analysis speeds recovery - Detailed description of the failure with HELP menu

• Longer life, lower energy use - Screen saver decreases the brightness of the display

• Massive data storage - Internal memory stores the records up to ten years with one hour intervals, digitally and graphically

• Failure analysis support – Service staff can recall stored failure history

• More efficient servicing – Password protected service section for software updates, calibration and technical parameter setting

FULL TRACEABILITY AND SAFETY WITH OPTIONAL NuveCom™ COMMUNICATION UNIT

• Data always available - Communication unit for traceability and remote access

• Secure data backup – Save parameters on memory stick connected to USB port

• Selectable data recording frequency - Set the recording intervals as 10 or 30 seconds, 1, 5, 30 or 60 minutes to store in a memory stick

• World-wide access - Ethernet port for internet connection

• Local area networking - Remote access via ethernet connection

• Get rapid support – Can send e-mails with the details of any failure

• Remote access and control – NüveCloser™ software to access N-Smart™. Get all the information remotely and control or program your NÜVE product wherever you are.

• Fast corrective action - AlerText™ GSM alarm module can send the details of any alarm condition to up to 5 mobile phone numbers, including emergency service backup 7/24.

TECHNICAL SPECIFICATIONS

	ES 120	ES 252	ES 600
Chamber Volume, litres	120	252	600
Control System	Programmable Microprocessor N-Smart™ Control System		
Display	4,3" Colourful LCD Display		
Temperature Range	-10℃ to +60℃		
Temperature Set and Display Sensitivity	0,1℃		
Temperature Homogeneity @ 4℃ and 22℃	±0,5℃		±1℃
Programmable Alarm Limits	±1℃ / 10℃		
Number of Program Memory	20		
Programmable Number of Steps	20		
Number of Program Repetition	1-99		
Timer	1 min. – 100 Hours + Hold Position		
Delayed Start Timer	1 min. – 100 Hours		
Alarm	Audible and Visual		
Insulation	High Density Injected Polyurethane		
Internal Material	Stainless Steel		
External Material	Epoxy-Polyester Powder Coated Stainless Steel		
Number of Shelves (Standard/Max.), pcs.	2/10	3/20	3/20
Power Supply	230 V , 50/60 Hz.		
Power Consumption	800 W	1250 W	2000 W
Internal Dimensions (WxDxH) mm	480x545x465	475x545x1110	730x640x1350
External Dimensions (WxDxH) mm	655x745x1020	655x745x1855	925x850x1965
Packing Dimensions (WxDxH) mm	770x890x1190	700x860x2040	1030x1020x2140
Net / Packed Weight kg.	89 / 117	150 / 175	245 / 270

OPTIONS

A 08 190   NuveCom™ Communication Unit
            USB port to store temperature records on memory stick
            World-wide access via ethernet port with NuveCloser™
            Rapid support by sending e-mails with details of failure
            RS 232 port for PC or AlerText™
A 08 191   AlerText™ GSM alarm module (should be ordered with A 08 190)
A 08 195   NuveCloser™ Software CD with 3 m. RS 232 cable (should be ordered with A 08 190)

ACCESSORIES

R 01 130   Shelf for ES 120/252
K 23 040   Shelf carrier for ES 120/252
R 01 165   Shelf for ES 600
K 23 064   Shelf carrier for ES 600
Note: 2 pcs. shelf carrier should be ordered for each shelf

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