

SPECIFICATIONS & MORE

CombiWash

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System Overview

Cat. No.	18460
Analyzer type:	1 plate washer & shaker 2 plate incubator
Throughput (Max):	1 plate run wash & shake Up to 2 plates incubation
Reaction / reading System	96 Well Microtiterplate
Operation mode	Batch

Human

Diagnostics Worldwide

CombiWash

Automatic microtiter plate washer and incubator

Reaction Unit / Incubation	Capacity	1 chamber for up to 2 plates
	Mixing capability	Mixing in wash position
	Incubation temperature	25° / 30° / 37.0°C fixed
	Accuracy	± 5 % (Incubator plate)
	Stability	± 5 % (Incubator plate)
	Uniformity	± 1°C (incubator plate) ± 2°C at 25°C ambient temperature in liquid
	Warm up time	15 min. (ambient 25 °C to room incubation temp. for incubator plate)
	Incubation time	free chooseable (increment 1 minute)

Washing	Capacity	3 x washbuffer bottles 2L 1 x waste bottle 2L 1 x distilled water system liquid bottle 2L
	Wash head	8 channels (included) Optional 12 channels (cat no 18460/5)
	Plate type	Flat ,round and V- bottom wells
	Wash mode	Plate and strip mode
	Wash processing time	90 sec. (one time wash 12 channels)
	Dispense volume	10-3000 µl / well in 1 µl steps
	Wash accuracy	± 5 % at 300 µl
	Residual volume	< 5 µl
	Fluid alarms	Low wash buffer Systemliquid Waste full
	Features	10 wash profiles up to 99 wash cycles 0-24h shaking /soak time

Data Processing	Interfaces	RS 232
	# of programable tests	100 wash protocols
	User interface	LCD Display, 10 soft buttons
	System language	English

Generals

Dimensions (W x D x H)	Instrument without any components:	46 x 40 x 20 cm
	Space required for routine use:	56 x 60 x 40 cm
	Packaging:	55 x 51 x 35 cm
		43 x 26,5 x 31,5 cm
Weight	Net:	10.00 kg
	Gross:	12.65 kg
Electrical requirements	Universal AC input:	~220 V, 50/60 Hz ±10 % (110V with transformer)
	Power consumption:	80 VA without incubator
		140 VA with incubator
Environmental conditions	Operating: temperature: 18 – 30°C, humidity: < 85 % non condensing Transport: temperature: -20 – 50°C, humidity: < 93 % non condensing	

Accessories

Additional Accessories

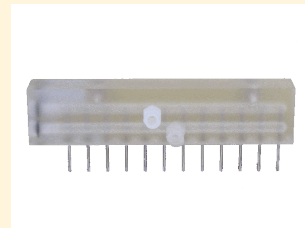
	Cat. No.
12-pin Manifold	18460/5
110 VA Transformer	18460/26

Standard Accessories (supplied with each instrument)

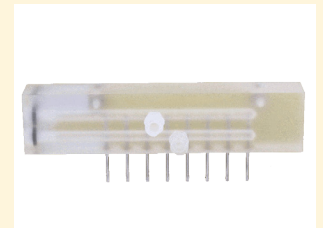
	Quantity	Cat. No.
User Manual	1	18460/1
8-pin Manifold	1	18460/4
Bottles with Cap	5	18470
Power Cable	1	18999
Fuses	2	18460/14
Set of Buttons Wash 1, Wash 2, Wash 3, Waste, Water for Bottles	1	-----
Cleaning Wires	2	-----
Dust Cover	1	-----

Servicekits

	Quantity	Cat. No.
Maintenance Kit (for 5 CombiWash)	1	18460/201



12-pin Manifold
Cat.No. 18460/5



8-pin Manifold
Cat.No. 18460/4



110 VA Transformer
Cat.No. 18460/26

