

# ACP 502

*The professional unit at an amateur price*



**maximum  
processing width  
50 cm**

# HSD 502

*The wash/dry module for ACP 502*



**THERMAPHOT** pays attention to the environment with economical use of chemistry and water.

## Modularity: a popular concept redesigned by THERMAPHOT

The demand for modular systems is nothing unusual, as their advantages are obvious. After purchasing the developer module ACP 502, trying it out and earning money with it, you can add the wash-dry unit HSD 502.

The THERMAPHOT ACP 502 is a newly developed processing machine, suitable for opaque as well as for transparent material, for RA-4 as well as for B/W processes.

The environmental aspect was given special priority during the development of the ACP 502. The heat exchanger ensures that chemicals are not affected by the heating-up process, while optimized squeegeeing of the transport rollers reduces chemical carry-over from one bath to another. The rack cover of the ACP 502 avoids oxidation and ensures maximum utilisation of the chemicals.

The ACP 502 is based on the experience of manufacturing 45000 RCP machines and thousands of CAP 40 processors. Specially designed for RA-4 and other high-speed processes, this machine offers everything that can

be expected from a modern, compact table-top processor with ideal cost effectiveness.

The ACP 502 is controlled by the well-tried analogue system used in the ACP 305. Once the parameters have been adjusted, they remain absolutely constant; however, they can be modified in no time by the user, quickly and easily.

The technical data are the same as for the ACP 505.

### Range of use

The ACP 502 can be used in a wide range of areas: portrait photography, schools, companies, institutions, press/wedding photography and many more.

### Further characteristics

- extremely short air distance between the developer bath and the bleach-fix bath
- special spray bar in the developer bath
- easy-to-clean chemical filters and easy maintenance and servicing (all components accessible from above)
- powerful circulation pumps
- heat exchanger for a long life time of chemicals
- rack cover avoiding condensation and ensuring maximum utilisation of chemicals
- optimized squeegeeing of transport rollers for reduced chemical carry-over
- compact design, required floor space only 52x66 cm (ACP 502)



The module system  
ACP502/ HSD  
502



HSD 502  
without cover

### ACP 502 - Technical data:

Length:	62 cm
Width:	78 cm
Height:	41 cm
Weight (empty):	approx. 46 kg
Entrance speed:	46 cm/min (RA-4)
Power supply:	230V/240V, 50 Hz 110V/115V, 60 Hz
Max. power consumption:	650 W

### HSD 502 - Technische Daten:

Length:	30 cm
Width:	78 cm
Height:	43 cm
Weight (empty):	28 kg
Entrance speed:	46 cm/min (RA-4)
Power supply:	230V/240V, 50 Hz 110V/115V, 60 Hz
Max. power consumption:	900 W

### ACP 502 - Capacity (RA-4):

Format (cm)	Prints per hour
9 x 13	760
13 x 18	410
20 x 25	250
30 x 40	85
40 x 50	64
50 x 60	42
Tank volume: approx. 5,5 l	

# Overview of products

## Technical data at a glance: THERMAPHOT paper processors

Product range	ACP 505	ACP 502	HSD 502	ACP 404	ACP 404 BW
Maximum paper format (cm)	50 x 70	50 x 70	50 x 70	40 x 50	40 x 50
Minimum paper format (cm)	9 x 13	9 x 13	9 x 13	9 x 13	9 x 13
Number of tanks	5	2	1+1	4	4
Tank volume (liter/tank)	approx. 5,5	approx. 5,5	approx. 1+5,5	approx. 4,5	approx. 4,5
Dimensions (L x W x H in cm)	approx. 95 x 85 x 45	approx. 62 x 78 x 41	approx. 30 x 78 x 43	approx. 85 x 75 x 45	approx. 85 x 75 x 45
Floor space (L x W in cm)	approx. 88 x 69	approx. 52 x 66	approx. 22 x 66	approx. 78 x 59	approx. 78 x 59
Weight in Kg (empty)	approx. 95	approx. 46	approx. 28	approx. 69	approx. 69
Entrance speed (cm/min.)	10 - 70	10 - 70	same as ACP 502	10 - 70	10 - 70
Processing time range (sec.)	32 - 210	32 - 210	-	32 - 210	32 - 210
Processing temperature range (°C)	28 - 45	28 - 45	-	28 - 45	28 - 45
Total processing time (min:sec.)	4:15 with RA-4	1:35 with RA-4 3:05 with HSD	1:30 with RA-4	3:25 with RA-4	2:30 with BW
Replenishment	automatic	manual optional: automatic	-	manual optional: automatic	manual optional: automatic
Drying	yes infrared tube	no yes with HSD 502	yes infrared tube	yes infrared tube	yes infrared tube
Water consumption (l/min.)	1,4	-	3	1,9	1,9
Capacity in prints/hour format (cm)/approx. qty. (RA-4)	9 x 13 / 760 13 x 18 / 410 20 x 25 / 250 30 x 40 / 85 40 x 50 / 64 50 x 60 / 42	9 x 13 / 760 13 x 18 / 410 20 x 25 / 250 30 x 40 / 85 40 x 50 / 64 50 x 60 / 42	same as ACP 502	9 x 13 / 550 13 x 18 / 365 20 x 25 / 200 30 x 40 / 85 40 x 50 / 52	9 x 13 / 720 13 x 18 / 475 20 x 25 / 260 30 x 40 / 110 40 x 50 / 68
Suitable processes	BW; RA-4 and compatible processes	BW; RA-4 and compatible processes	same as ACP 502	BW; RA-4 and compatible processes	BW
Max power consumption (kW)	2,2	0,65	0,9	1,5	1,5
Order no. 230/240V, 50Hz	2502 (Micro/water) 2506 (Micro/Stabi) 2504 (Analog/water) 2508 (Analog/Stabi)	2512 2514 (replenishment)	2516	2404	2402
Order no. 110/115V, 60Hz	2501 (Micro/water) 2505 (Micro/Stabi) 2503 (Analog/water) 2507 (Analog/Stabi)	2511 2513 (replenishment)	2515	2403	2401
Accessories 230/240V, 50Hz		2412 (replenishment kit)		2412 (replenishment kit)	2412 (replenishment kit)
Accessories 110/115V, 60Hz		2411 (replenishment kit)		2411 (replenishment kit)	2411 (replenishment kit)

ACP 305	ACP 302	ACP 252	ACP 200	UCP 403	UWD 402
30 x 40	30 x 40	24 x 30	20 x 25	40 x 50	40 x 50
9 x 13	9 x 13	9 x 13	9 x 13	13 x 18	13 x 18
5	2	2	2	3	2
approx. 3,4 (optional 2,4)	approx. 2,4 (optional 3,4)	approx. 2	approx. 2,5	approx. 2	approx. 4
approx. 84 x 60 x 40	approx. 48 x 54 x 41	approx. 42 x 45 x 28	approx. 62 x 43 x 25	approx. 85 x 60 x 30	approx. 70 x 60 x 30
approx. 78 x 44	approx. 44 x 44	approx. 42 x 45	approx. 52 x 30	approx. 81 x 47	approx. 66 x 47
approx. 59	approx. 29	approx. 16	approx. 13	approx. 31	approx. 32
46 or 65 optional 10 - 70	46 or 65 optional 10 - 70	33 or 45	28, 11 or 6 optional: 42, 14, 8	6 - 53	same as UCP 403
32 or 45 optional 32 - 210	32 or 45 optional 32 - 210	32 or 45	45, 120 or 210 optional: 30, 90, 150	20 to 180	-
28 - 45	28 - 45	28 - 45	28 - 45	30 - 42	30 - 42
4:15 with RA-4	1:30 with RA-4	1:30 with RA-4	1:30 with RA-4	6:00 with P30P	3:00 with P30P
manual optional: automatic	manual optional: automatic	manual	manual	not required	not required
yes infrared tube	no	no	no	no yes with UWD 402	hot air
1,4	-	-	-	-	-
9 x 13 / 540 13 x 18 / 180 20 x 25 / 90 30 x 40 / 55	9 x 13 / 540 13 x 18 / 180 20 x 25 / 90 30 x 40 / 55	9 x 13 / 260 13 x 18 / 130 18 x 24 / 100 24 x 30 / 65	9 x 13 / 150 13 x 18 / 110 18 x 24 / 65 20 x 25 / 65		
BW; RA-4 and compatible processes	BW; RA-4 and compatible processes	BW; RA-4 and compatible processes	BW; RA-4 and compatible processes	P30P/XP30 P22/P222 P5 BW; RA-4 and compatible processes	same as UCP 403
1,4	0,5	0,55	0,3	0,5	1,7 (UCP+UWD)
2604 (BWD) 2606 (BWDVDR) 2608 (BSDVDR)	2302 2304 (Vario) 2312 (Vario/ replenishment)	0202	0402	6102	6202
2603 (BWD) 2605 (BWDVDR) 2607 (BSDVDR)	2301 2303 (Vario) 2311 (Vario/ replenishment)	0201	0401	6101	6201
2612 (Vario Kit) 2412 (replenishment kit)	2306 (Vario Kit) 2307 (Kit 3,4 l > 3,4 l)		04710 (High Speed Kit for BW)		
2611 (Vario Kit) 2411 (replenishment kit)	2305 (Vario Kit) 2308 (Kit 3,4 l > 2,4 l)		04710 (High Speed Kit for BW)		

*THERMAPHOT products are being constantly developed to the latest state of the art. They are therefore subject to modifications without notice. As of: September 1998*