

TAS

film processor

Film development in comfort with uncompromising quality

Heiland electronic is proud to announce a unique addition to the home or school photo lab: an automatic tank agitation system for film sizes from 35mm up to 4x5 inch. As a photography enthusiast you probably



prefer to develop films in your own darkroom. However, development by hand is a time consuming, even boring procedure especially if one has a stack of films to develop after a holiday or photo-assignment. Nevertheless, consistent results based on a tested combination of film types, exposure and development are of prime importance.

To this end we have produced the TAS processor. It will satisfy the most discerning of darkroom devotees, in particular 'Zone System' specialists. Moreover, it will accept JOBO, Paterson, Kindermann or CombiPlan development tanks and can be

adapted to suit other makers of tanks

Advantages

- reproducible results
- ends monotonous manual agitation
- small size – fits in every darkroom
- transportable – could also be used in campers and cars (12V/24V supply)
- easy handling
- ideally suited for Zone System and for two bath processes
- uses existing tanks for 35mm, 120/220 roll films and 4x5 inch sheet films
- ideal for photography clubs with exchangeable modules for every user
- variable speed settings
- automatically compensates total development time depending on programmed temperature
- solid construction, long life metal case; reliable quality from Heiland electronic - Made in Germany

The operation is extremely simple:

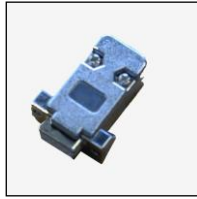
- Input development parameters.
- Load tank with film(s) (standard procedure in total darkness!)
- Fill tank (tap on table to release bubbles) keeping it vertical.
- Attach tank to holder and fasten clamp.
- Press start button.

TAS starts with a continuous agitation, followed by intervals of pauses and agitation.

The end of the process is signalled first by short beeps (30, 20 and 10 s) followed by a continuous beep.

Due to the flexible programming you could also use the TAS for fixing and washing.

Thanks to its low cost interchangeable 'memory stick' system several users can benefit from one machine, allowing them to programme individual combinations of developer / time e.g. N-1, N+1.



For a tilt only operation, a single turn of a knob suffices – even while the processor is running.

TAS automatic process allows you to continue with other work such as loading another tank, preparing more chemicals or completing finishing steps, e.g. fixing, washing, drying and archiving the negative.

Simplicity of design and engineering, plus the use of high quality materials guarantees an effective and long life for the



HEILAND TAS processor.

That product has been designed to meet the requirements of practical photographers. Please do not hesitate to contact us if you need a special version or want to use other tank systems.

Technical data

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| Weight: | 8 kg |
| Footprint: | 25x32 cm |
| Height: | 32 cm |
| Powers supply: | 24V/1A using an attached AC/DC supply or an optional voltage converter 12V→24V |
| Supported tank systems: | AP, BTZS, Combiplan, Jobo, Paterson, Kaiser, Kindermann. Others on request |
| Panel: | Resistant against standard developer and fixing chemicals |
| Memory: | Internal and external, no need for battery |
| Total development time: | 1... 59 Min. |
| First cycle (continues agitation): | 1 Sec ... 2 Min. |
| Further cycles: | 1 Sec ... 5 Min. |
| Turns per cycle: | 1 ... 9 |
| No. of revolutions: | 10 ... 40 turns per minute |