

# MELAtherm® 10

## The washer-disinfector



Already included in  
the price of the device:

Three documenta-  
tion interfaces

Instrument  
protection  
through active  
drying

An integrated  
metering module  
and process agent  
intake

[www.melag.com](http://www.melag.com)

Quality – made in Germany

**MELAG**  
competence in hygiene

# The success of a family-led company - through innovation and quality.

As an owner-run and operated family concern founded in 1951, we have a long history of successful specialization in hygiene products for practice-based use. As a medium-sized company, it is this specialization that enables our 100 personstrong expert development team to maintain and develop our product range so as to extend our position as an international market-leader.

Our focus on quality and the highest standards of operational reliability has established MELAG as the world's leading manufacturer in the area instrument treatment and hygiene, selling over 485,000 devices to date. Our entire product range is developed and produced exclusively in Germany (Berlin). Over 275 employees work on a c. 20,000 m<sup>2</sup> premises.

We have consistently ruled out purchasing products to expand our product range which exceed provision in our area of core competence, practice hygiene. Today we are easily the world's largest specialist manufacturer of practice sterilizers and washer-disinfectors concentrating exclusively on this area. We remain convinced that this consistent specialization is the precondition for the high quality of our products.

You, our customer are justified in your demand for the best products, quality and reliability. Providing „competence in hygiene“ and „quality - made in Germany“, we guarantee that these demands will be met. It is our declared aim to contribute to the success of your daily work in the field of instrument treatment and hygiene.

The MELAG management and team.





# Striving for constant improvement.

These advantages make the MELAtherm®10 unique:

## Integrated documentation

The MELAtherm®10 enables documentation at no extra cost via its integrated CF card slot or one of the two integrated Ethernet interfaces, the network, a PC or a printer.

## Active drying

A very important feature of the MELAtherm®10 is its integrated active drying. This protects instruments against re-contamination, corrosion and damage.

## Integrated dosage module and process agents

Easily accessible and operator-friendly, the integrated metering module and process agents are stored in a drawer. This facilitates ergonomic and safe working practices.

## Practice-optimized chamber

With its optimized space concept, the MELAtherm®10 enables economic, ecological and fast instrument treatment in a record time.

## Systematic treatment

Leading hygienists demand aligned treatment procedures. MELAG system hygiene fulfils these demands perfectly.

# You wish to save time and money? Do not delay!

Profit from our expertise gathered in over 60 years of surgery-based problem-solving in the hygiene sector.

Our practice-optimized chamber satisfies demands for a value-for-money, safe and above all, fast treatment procedure. A wide range of baskets developed for use in specialist medical surgeries enable the treatment of a large volume of instruments in only 32 minutes (including active drying). All this performance is yours for very low consumption costs: only 1–1,50 Euros per cycle.

The interior volume was calculated on both economical and ecological grounds: devices with large-sized chambers are often started only half-full in an attempt to avoid long stand times and encrusting on the instruments.



# You want to protect your instruments? You want to work quickly and safely?

Profit from our expertise accumulated in collaboration with practice operators, hygiene experts and instrument manufacturers.

Instruments must be dry, regardless of whether they are to be re-used immediately after treatment in the washer-disinfector (semi-critical instruments) or whether they are to be packed in a sterile manner (critical instruments). Only a very few washer-disinfectors are equipped with the active exterior and interior drying facilities so vital to this end. This is integrated in the MELAtherm®10 as standard and at no extra cost. The integration of the metering module, process agents and documentation (CF card, network, PC or printer interface) saves space and money and helps to avoid errors.



An easily-accessible CF card slot and two integrated RJ45 (Ethernet) interfaces (one of which is located on the rear of the device)

An integrated metering module and process agent intake. Practical and comfortable at no extra cost!

Active drying protects not only against re-contamination but also prevents corrosion and damage to the instruments.

# Solutions for all specialist surgeries.

## The versatility of the MELAtherm®10.

The practice-optimized chamber of the MELAtherm®10 produces short operating times, ergonomic work practices, a low consumption of process agents and optimal cleaning results. MELAG provides a wide range of special baskets to cater for all surgery needs. As this range is subject to continuous update, we cannot provide a complete description.

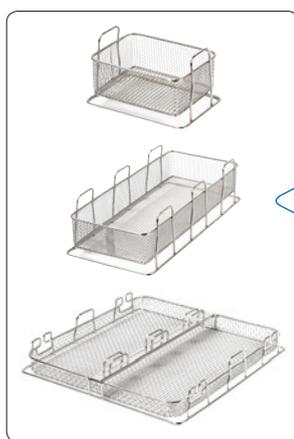
The whole up-to-date program is available on the MELAtherm®10 pages of our website [www.melag.com](http://www.melag.com).

The following examples drawn from four surgeries, demonstrate the wide-ranging nature of our product range.

### An example from a dentist's surgery:

Up to 8 perforated cassettes with instruments for more than 40 patients and up to 33 instruments with cavities can be processed in a single treatment procedure in record time.

Of especial importance for the treatment of transfer instruments: short operating times and active interior drying.



Alternatively or in addition to a load with lidded perforated cassettes, MELAG provides stackable Flex baskets in a variety of designs.



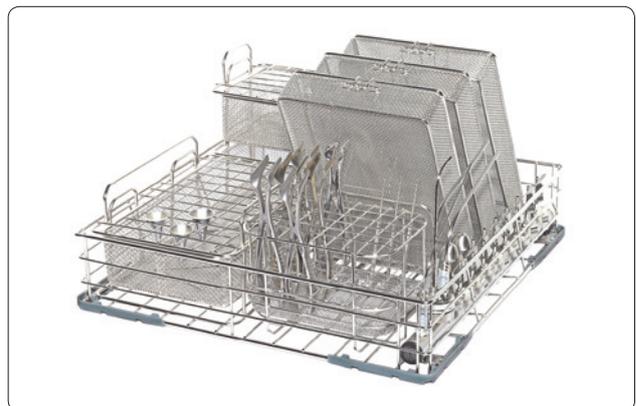
## An example from a gynecological surgery:

Up to 32 specula can be treated in a single treatment procedure in record time.



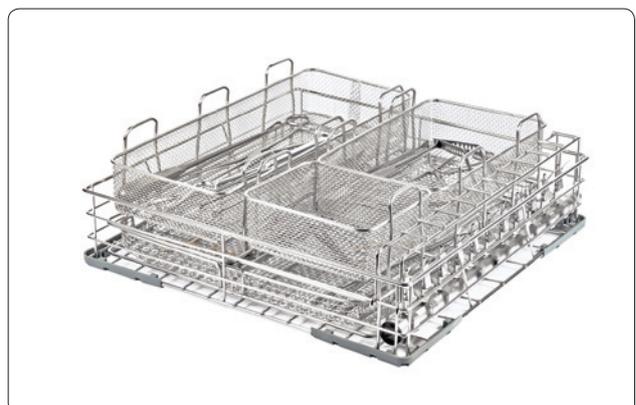
## An example from an ENT surgery:

Up to 192 ear specula and / or a variety of other instruments can be treated in a single treatment procedure in record time.



## An example for many other specialisms e.g. surgery, orthopedics, dermatology, urology, general medicine etc:

With a variety of stackable Flex baskets, hose connections and adaptors for up to 33 instruments with cavities, the MELAtherm®10 is also suitable for larger surgeries.



# Competence in detail.

Integrated water treatment and optimal supply with demineralized water.

The water-softening unit integrated in the MELAtherm®10 provides consistent results in the treatment of water, irrespective of the quality of the tap water. Those practices seeking to minimize stain formation on their instruments can connect the MELAtherm®10 to an external water treatment unit (e.g. the MELAdem®53) which supplies the device with de-ionized water (DI water).



The key to perfection in instrument treatment: the MELAdem®53 for the simultaneous supply of the washer-disinfector MELAtherm®10 and the autoclave.

# Programs and versions.

Not just the chamber, but also the operating times have been practice-optimized. A doctor's surgery requires short operating times with the lowest-possible consumption of energy, water and process agents. All programs are configured to save resources and energy without affecting the short operating times or the good results of the cleaning process. The Quick-Program cleans and disinfects instruments ready for use after only 32 minutes (plus drying). Further programs are available for heavily soiled instruments.

Program	MELAtherm® 10 DTA*	MELAtherm® 10 DTB*
Universal-Program	36 min	51 min
Quick-Program	32 min	47 min
Intensive-Program	41 min	56 min
Rinsing	03 min	03 min
Ophthalmic-Program	44 min	59 min

\*All programs plus active drying, which the operator can interrupt at any time.

## The MELAtherm® 10 DTA / MELAtherm® 10 DTB.

The MELAtherm® 10 is available in the versions 400 Volt (three-phase current, MELAtherm® 10 DTA) and 230 Volt (alternating current, MELAtherm® 10 DTB). If the installation location permits connection to a 400 Volt supply, we recommend this version due to its significantly lower operating times.

## The Ophthalmic-Program

The Ophthalmic-Program is especially adapted to the requirements of an ophthalmic surgical practice. The use of de-ionized water in connection with conductivity monitoring optimizes patient protection in this highly sensitive area.

# You would like to optimize your practice routine? Use a system solution!

Profit from our expertise.

The MELA*therm*®10 concept rests on our efforts to combine the requirements of the Robert-Koch-Institute and leading hygienists of perfectly aligned treatment processes with operator wishes.

The MELA*therm*®10 washer-disinfector, the MELA*dem*®53 water treatment unit (for the washer-disinfector and autoclave!), the MELA*seal*® Pro sealing device and the autoclave. System hygiene has never looked so good or simple!



# Working even more ergonomically.

## The MELAtherm®10 with floor unit.

Practice requirements vary considerably, especially when the treatment room has already been set up. As a result, we provide the MELAtherm®10 in two models.

The base-frame device fits into a normal 60 cm space and can also be placed free-standing in the room.

If the MELAtherm®10 is not covered by an end-to-end work surface, we recommend purchasing the additional stainless steel cover plate.

The additional floor unit provides two advantages:

- The MELAtherm®10 can be loaded at an ergonomic height, avoiding the need to bend down.
- The second drawer provides additional storage space.

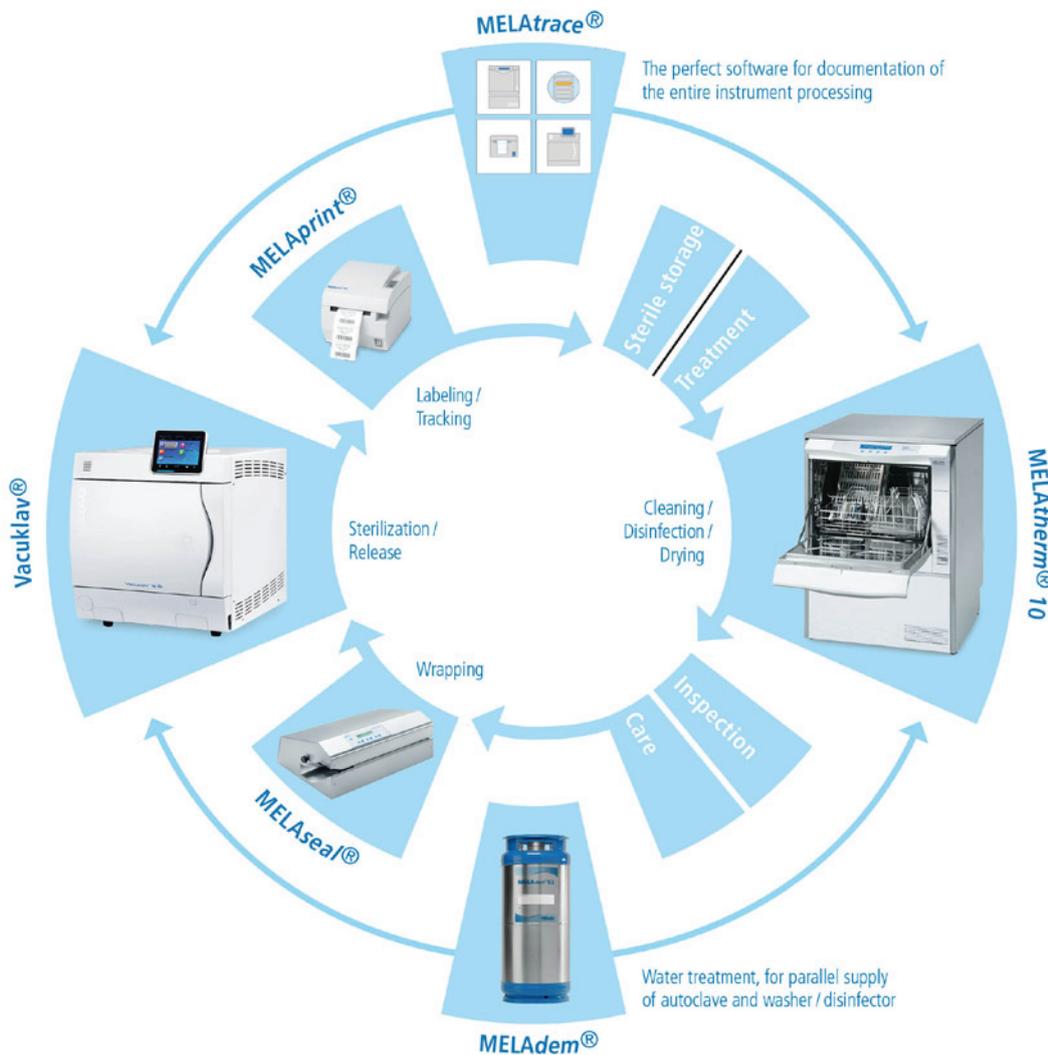


## Data and facts.

Technical Data	The base-frame device*	The floor unit device
Device dimensions (w × h × d)	59,8 × 81,8 (83,6**) × 67,8 cm	59,8 × 124 × 67,8 cm
Washing chamber (w × h × d)	46,5 × 40,5 × 44,8 cm	46,5 × 40,5 × 44,8 cm
Weight	79 kg / 85 kg with cover plate	106 kg
Electrical connection DTA	3 N AC 400 V, 50 Hz, 3 × 16 A	3 N AC 400 V, 50 Hz, 3 × 16 A
Electrical connection DTB	AC 220–240 V, 50 Hz, 1 × 16 A	AC 220–240 V, 50 Hz, 1 × 16 A
Power input	9,3 kW (DTA) / 3,3 kW (DTB)	9,3 kW (DTA) / 3,3 kW (DTB)
Dimensions MELAdem® 53: Ø 24 × 57 cm (61,5 cm incl. connecting bend)		

\*Fits underneath a 60 cm table top \*\*with cover plate

# The hygiene cycle. MELAG — a one-stop shop.



The MELatherm®10 is produced in conformity with the following directives and standards:

93 / 42 EWG Medical products class IIa (European directive for medical devices) DIN EN ISO 15883 (washer-disinfectors) EN 61010-1-2 (Safety directives for electrical measurement, control, and laboratory devices — part 1 and part 2), EN 50081-1 and EN 50082-1 (Directives for electromagnetic compatibility) EN ISO 9001: 12.2000 and EN ISO 13485/ 11.2000 (Quality management / certification) EN 1717 (Protecting the drinking water from impurities); KIWA certified.

CE 0535



MD 577751 FM577762

Further information regarding these topics, our products and all current questions are available under: [www.melag.com](http://www.melag.com)



MELAG Medizintechnik oHG

Geneststraße 6–10

10829 Berlin

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