

# MELA *therm*<sup>®</sup> 10

## The washer-disinfector



Already included  
in the price of the  
device:

Three documenta-  
tion interfaces

Active drying for  
instrument  
protection

Metering module  
and process agent  
intake

  
Quality – made in Germany

**MELAG**  
competence in hygiene

# The success of a family-run 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. It is this specialization that enables our 100 person-strong development team of specialist engineers and IT experts to maintain and develop our product range at its current world-class standards.

Our focus on quality, innovation and the highest of safety standards has established MELAG as the world's leading manufacturer in the "hygiene products for the medical practice" field, selling over 490,000 devices to date. Our entire product range is produced exclusively in Germany (Berlin). Over 300 employees work on premises of c. 22,000 m<sup>2</sup>.

We have consistently rejected outsourcing to low-wage third countries, as we did not want to risk a reduction in our world-beating quality. We have also ruled out emulating the trend towards expanding our product range to 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 quality requires consistent specialization on a narrow range of high-quality 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 area of instrument treatment and hygiene.

The MELAG management and team.





# Striving for constant improvement.

These advantages make the MELA*therm*®10 so unique:

## Integrated documentation

The MELA*therm*®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 MELA*therm*®10 is its integrated active drying. This protects your instruments against re-contamination, corrosion and damage.

## Integrated metering 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 treatment chamber

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

## Systematic treatment

Both the Robert-Koch-Institute and leading hygienists demand aligned treatment procedures. MELAG system hygiene fulfils these demands perfectly.



# You want to save time and money?

## Do not hesitate!

Profit from our expertise.

Gathered in over 60 years of problem-solving in the hygiene sector.

Our practice-optimized treatment 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 practices enable the treatment of a large volume of instruments in only 30 minutes (plus active drying). All this performance is yours at very low consumption costs of only 1.00 - 1.50 Euros per cycle.

The interior volume of our devices was designed on both economical and ecological reasons: Devices with large-size chambers are often started half-full to avoid long idle times and encrusted contaminations on the instruments.



Active drying protects against re-contamination, corrosion and damage to the instruments.

# You want to protect your instruments? You want to work quickly and safely? Profit from our expertise.

Gathered in cooperation 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 for a following sterilization (critical instruments).

Only very few washer-disinfectors are equipped with an active exterior and interior drying for this purpose. In the MELAtherm® 10 it is integrated 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 integrated metering module and process agent intake. Practical and comfortable at no extra cost!

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

# The diversity of the MELA*therm*® 10.

## Solutions for all specialist practices.

The practice-optimized chamber of the MELA*therm*®10 enables short operating times, ergonomic work practices, a low consumption of process agents and optimal cleaning results. MELAG provides a wide range of special baskets and accessories 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 MELA*therm*®10 pages of our homepage [www.melag.com](http://www.melag.com). The following examples, drawn from four practices, demonstrate our wide product range.

### Dental practice

Instruments for over 40 patients and up to 33 instruments with cavities can be processed in a single treatment procedure in record time.



### Gynaecological practice

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



## Stackable Flex baskets

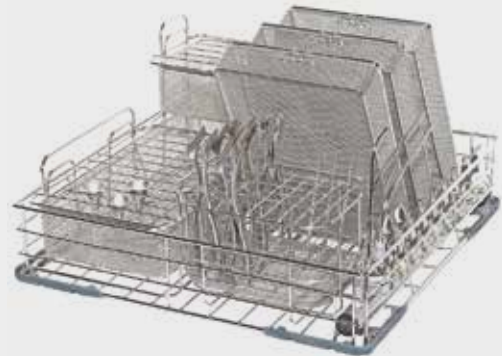


Alternatively or in addition to a load with sieve cassettes or wash trays, MELAG provides stackable Flex baskets in a variety of designs.



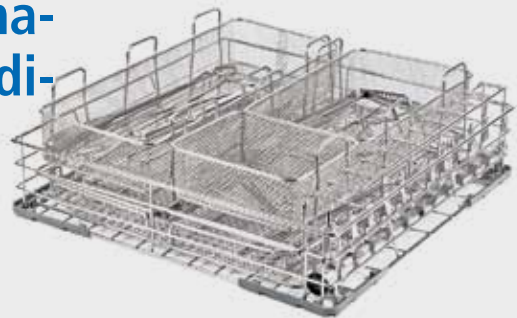
## ENT practice

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



## Surgery, orthopaedics, dermatology, urology, general medicine etc.:

With a variety of stackable Flex baskets, hose connections and adapters for up to 33 instruments with cavities, the MELA *therm*®10 is also suitable for larger practices.



# Integrated water treatment and optimal supply with demineralized water.

Competence in detail.

The water-softening unit integrated in the MELA *therm*®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 MELA *therm*®10 to an external water treatment unit, e.g. MELA *dem*® 53/53 C, which supplies the device with de-ionized water (DI water).



The key to perfection in instrument treatment:

The MELA *dem*® 53/53 C for the simultaneous supply of your washer-disinfector MELA *therm*®10 and your autoclave.



# Programs and versions.

Not just the treatment chamber, but also the operating times have been practice-optimized. The practice 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 in only 30 minutes (plus active drying). Further programs are available for special requirements.

Program	MELA <i>therm</i> ®10 DTA *	MELA <i>therm</i> ®10 DTB *
Quick-Program	30 min	47 min
Universal-Program	36 min	53 min
Intensive-Program	40 min	57 min
Ophthalmic-Program	42 min	59 min
Rinsing	3 min	3 min

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

## 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.

## MELA *therm*®10 DTA / MELA *therm*®10 DTB.

MELA *therm*®10 is available in the versions 400 volt (three-phase current, MELA *therm*®10 DTA) and 230 volt (alternating current, MELA *therm*®10 DTB). If the installation location per-

mits connection to a 400 volt power supply, we recommend the MELA *therm*®10 DTA due to its significantly lower operating times.



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

Profit from our expertise.

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

The washer-disinfector MELA *therm*<sup>®</sup>10, the water treatment unit MELA *dem*<sup>®</sup>53 (for the washer-disinfector and autoclave), the sealing device MELA *sea*<sup>®</sup>Pro, the documentation software MELA *trace*<sup>®</sup> and the autoclave.

System hygiene has never looked so good and simple!



# Working even more ergonomically.

## MELA *therm*®10 with floor unit.

Practice requirements vary considerably, especially when the treatment room has already been set up. Therefore we provide the MELA *therm*®10 in two models.

The built-in device fits into a normal 60 cm opening and can also be placed free-standing in the room. If the MELA *therm*®10 is not covered by an end-to-end worktop, we recommend the additional stainless steel cover plate.



The additional floor unit provides two advantages:

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

## Data and facts.

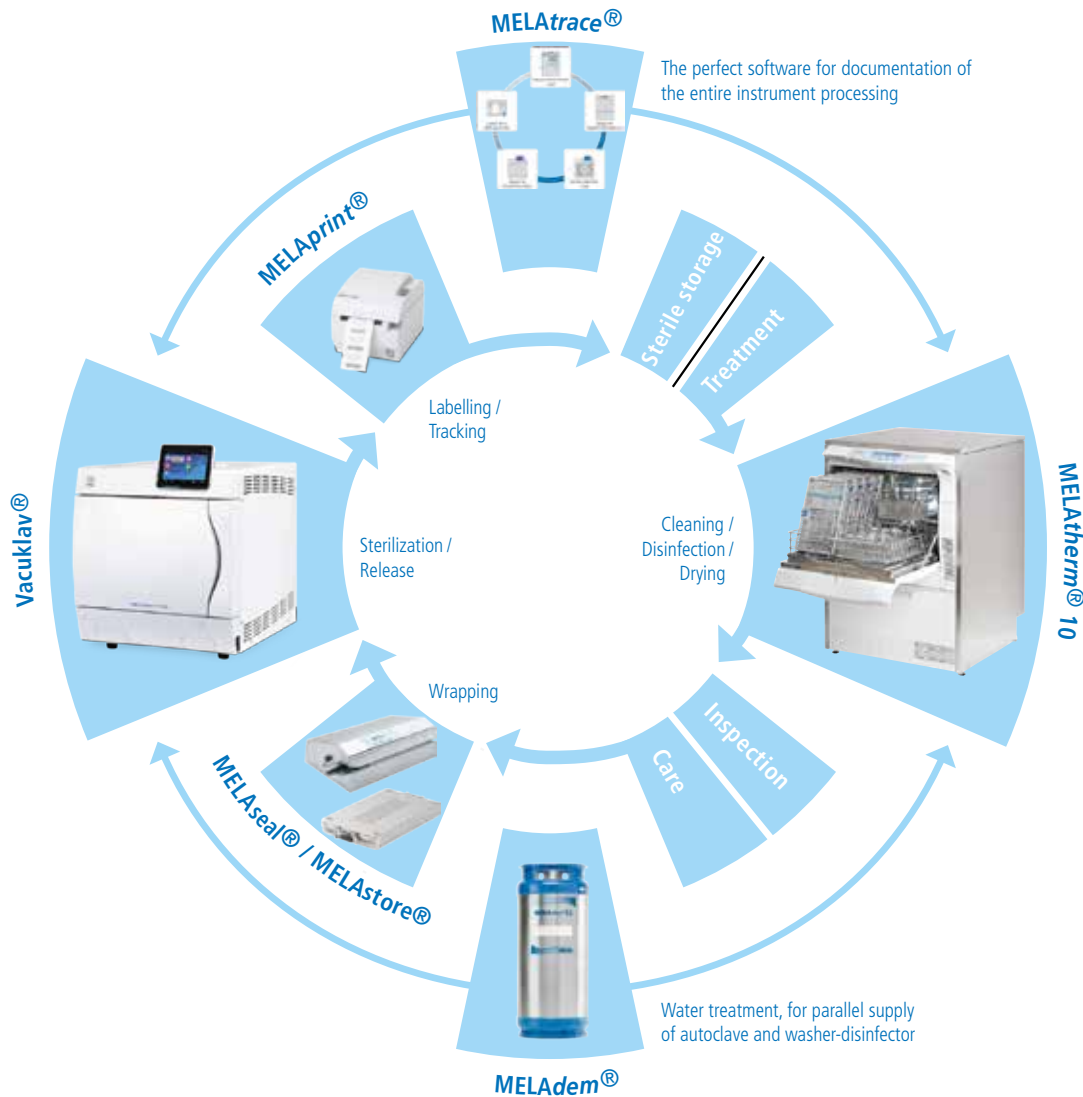
Technical Data	The built-in device*	Device with floor unit
Device dimensions (W × H × D)	59,8 × 81,8 (83,6**) × 67,8 cm	59,8 × 124 × 67,8 cm
Washing chamber (W × H × D)	46,5 × 40,5 × 44,8 cm	46,5 × 40,5 × 44,8 cm
Weight	79 kg / 85 kg with cover plate	106 kg
Electrical connection DTA	3 N AC 400 V, 50 Hz or 60 Hz, 3 × 16 A	3 N AC 400 V, 50 Hz or 60 Hz, 3 × 16 A
Electrical connection DTB	AC 220–240 V, 50 Hz or 60 Hz, 1 × 16 A	AC 220–240 V, 50 Hz or 60 Hz, 1 × 16 A
Power input	9,3 kW (DTA) / 3,3 kW (DTB)	9,3 kW (DTA) / 3,3 kW (DTB)
<b>MELA <i>dem</i>®53/53 C dimensions</b>	Ø 24 × 57 cm (61.5 cm incl. connecting bend) / Ø 24 × 44,3 cm (48,8 cm)	

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



# The hygiene cycle.

## MELAG - a one-stop shop.



MELAtherm®10 is produced in conformity with the following directives and standards:  
 93/42/EEC Medical device class IIb (European Directive for Medical Devices) DIN EN ISO 15883-1/-2 (Washer-Disinfectors) DIN EN 61010-1/-2-040 (Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use) DIN EN 61326-1 (Electrical equipment for measurement, control and laboratory use - EMC requirements) DIN EN 1717 (Protection Against Pollution of Potable Water); KIWA certified



Management System  
 EN ISO 13485:2012  
 ISO 9001:2008

www.tuv.com  
 ID 000051908

CE 0197

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



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**MELAG**  
 competence in hygiene