LÖWENSTEIN medical

HOSPITAL



ISOTHERM

Heating lamp

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ISOTHERM

The Isotherm heating lamp – made by Löwenstein Medical – was specially designed for the warming of infant diaperchanging tables and maintaining a baby's body temperature. Isotherm is equipped with a ceramic heating element and an integrated LED examination lamp.

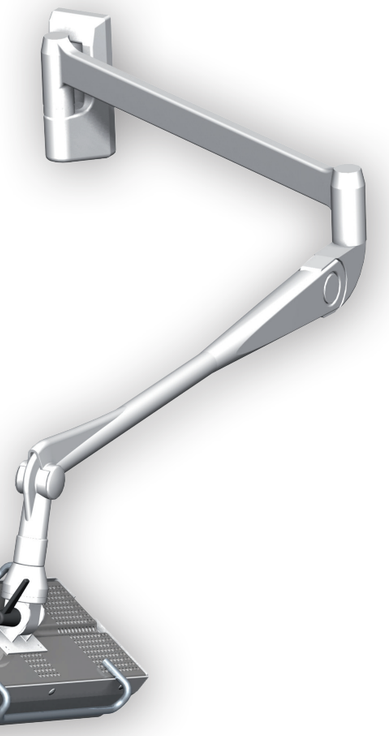
The integrated ceramic lamp has very good radiation characteristics and generates invisible infrared radiation, which is absorbed well by the skin of an infant. Advantage: The infant's skin colour is not altered. Isotherm has 4 power settings (factory settings of 25, 50, 75 and 99 %). With this four-level heat regulation, heating power can be set as desired according to ambient and infant body temperature. In special cases, the heating power of the four levels 1 – 4 can be set individually.

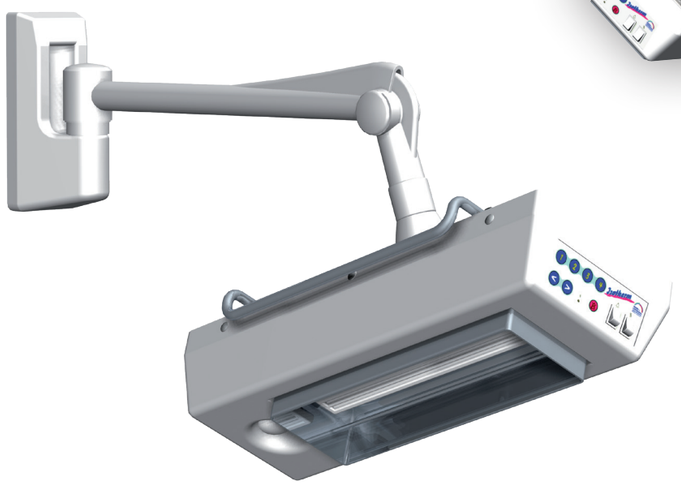
The standard settings are designed for the following uses

Level 1: For keeping the lying surface warm, and for long-term operation
Level 2: Normal operation in the diaper-changing and examination table area
Level 3: Additional heat for reanimation, delivery room or OR
Level 4: Increased heating needs for OR, anaesthetics or for adults

For individual use in clinics, Isotherm can be purchased with various assembly alternatives or custom design:

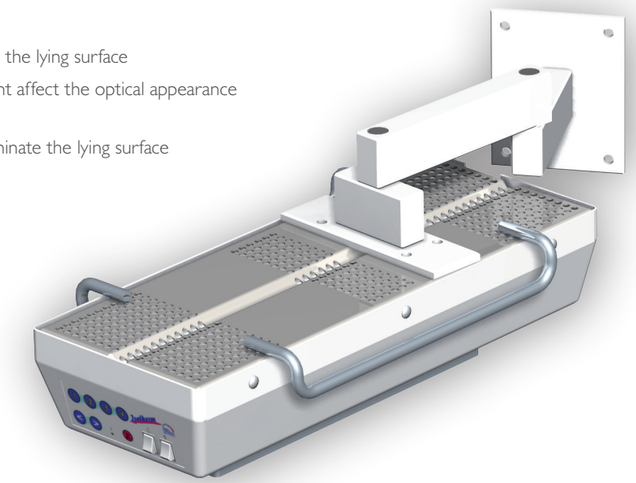
- Wall mounting with fixed bracket
- Wall mounting with flexible bracket
- Ceiling framework with rotating cantilever arm
- Wall framework with swivel-mounted cantilever arm
- Height-adjustable wall pendulum/wall framework





The advantages at a glance:

- Lamp with a long-lasting heating element
- The specially manufactured ceramic heating element does not scale, does not accumulate burn-off and is not sensitive to splashed fluids
- In contrast to conventional heating elements, surface temperature has been reduced by half so that room temperature is only moderately affected
- An optimal spectral selection, surface design and insulation technology converts 85 % of the absorbed energy into effective infrared radiation
- The Isotherm concept is the first to implement controlled dosage of power used to set the intensity of the radiation to which the patient is exposed
- The controlled power dosage is decisive for keeping patients safely and effectively warm. Instead of the "more or less" approach, the Isotherm concept allows for customised power dosage based on a patient's individual needs, and for taking readings of heat radiation actually applied to a patient
- Isotherm automatically reduces radiation intensity to a safe level if a patient is exposed to higher radiation intensity levels over a longer period of time
- Nursing staff is made aware of the situation via the optical display and an acoustic signal
- Alarms sound in case of a mains power failure
- Good heat distribution
- The heating lamp distributes heat evenly across the lying surface
- No visible infrared light is projected which might affect the optical appearance of a patient's skin colour
- A fluorescent lamp has been integrated to illuminate the lying surface without producing intense glare
- LED examination lamp



Ordering data

Item no.	Description
0210080	**Isotherm Heating lamp**
0210015	Flexible wall bracket with dual pivot. The lamp can be turned and swivelled. (Weight 6,0 kg)
0210014	Fixed wall bracket. The lamp is fixed to the wall bracket and does not swivel. (Weight 5,5 kg)
0210068	Wall pendulum with dual pivot. The lamp turns and swivels as desired in the horizontal position, and can additionally be adjusted and locked vertically up to 180°. (Weight 5,5 kg)
0210035	Height-adjustable wall pendulum with a large positioning radius. The lamp turns and swivels as desired in the horizontal and vertical positions, and can additionally be adjusted and locked up to 180° in a lateral inclination. (Weight 10,5 kg)
0210220	Height-adjustable rolling stand with suspension weight balancing. The lamp turns and swivels as desired in the horizontal position, and can additinally be adjusted and locked vertically up to 180°. (Weight 33,5 kg)
0210036	Height-adjustable ceiling pendulum with a large positioning radius. The lamp turns and swivels as desired in the horizontal and vertical positions, and can additionally be adjusted and locked up to 180° in a lateral inclination. (Weight 13,5 kg)

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to the product page:

The images contain optional accessories which can be ordered in addition.
Please inquire further information.

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