

CO₂ Personal Small - Incubator with IR Sensor

TECO 10



- *Developed especially for IVF- and Cell laboratories*
 - *Continuously UV- sterilization*
 - *Compact dimensions*
 - *Stainless steel casing and stainless steel interior*
 - *The microprocessor - control guaranties precise, reproducible environmental condition`s*
 - *The new air circulation combined with the innovative heating gauranteed high temperature accuracy*
 - *User friendly touch-control panel, easy to clean*
 - *Easeness of interior cleaning*
 - *12 V available*
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Specifications:

*CO₂ - and temperature calibration per software adjustable
continuous sterilization by UV lamp - wave length 254 nm
The UV - lamp is in the air circulation exact above the water tank.
The complete gas atmosphere circulates over the lamp and will be sterilized
without harmful ozone*

*casing stainless steel, protection against aggressive fluids
incl. two adjustable stainless steel shelves, all inner parts can be dismantled
with water tank for relative humidity of max. 95%
visual / acoustic alarm messages assure optimal safety
gas isolated safety double glass door
door safety system per potential-free contact*

Technical specifications:

*Input voltage: 90 - 264 V AC (47 - 63 Hz), optional (12 V DC)
Connected load: 65 VA
Dimensions- ext.: 334 x 440 x 345 mm (W x H x D)
Dimensions- int.: 260 x 235 x 275 mm (W x H x D)
Int. volume: 16 liters
Weight: 25 kg
Gas pressure: 1 bar +/- 0,2
Temperature range: 5 °C above RT up to 45°C
Temperature accuracy: +/- 0,1°K, PID - microprocessor controlled
CO₂ range: 0- 10 % infrared measurement, microprocessor controlled
Standard preset: 5 %
CO₂ recovery: < 1 min after 10 s. door opening
CO₂ accuracy: +/- 0,1 %
Gas source: 99,9 % pure CO₂ for medical use
Stainless steel shelves: 2 pieces*

Safety features: conform CE - requirements,

<i>Order No.:</i>	<i>600.034</i>	<i>TECO 10</i>	<i>230V or 90 - 264 V</i>
	<i>600.035</i>	<i>TECO 10</i>	<i>12 V</i>
	<i>600.037</i>	<i>TECO 10</i>	<i>230 V or 90 - 264 V and for emergency power 12 V</i>

Options: Alarm contact floating output (potential free)

CO₂ Personal - Incubator with INFRARED Sensor

TECO 20 e
TECO 20 s



Description:

A new infrared-controlled CO₂ -Incubator designed for personal use.

This Incubator has been designed with just the right dimensions to be considered personal.

*The microprocessor - control guaranties precise, reproducible environmental condition's.
Due to the advanced horizontal air circulation, this incubator offers a temperature accuracy
specification of 0,1°C, CO₂ is regulated via infrared control.*

*Alarm messages guarantee total security in the event that the temperature or CO₂ concentration
exceed their preset limits or in case of Pressure drop inside the gas bottle.*

*TECO 20 has been also especially designed by an IVF biologist for IVF biologists for their IVF,
ICSI, cryopreservation, andrology and genetic laboratories.*

It offers following advantages :

- CO₂ - and temperature calibration per software adjustable
- Compact dimensions make it transportable & easy to place
- Stainless steel double walled interior
- Interior parts can be dismantled
- Gas isolated double glass door with magnetic seals
- High CO₂ & Tp. accuracy, suitable for long term incubation of high sensitive biol. material like human embryos
- TECO 20 allows culture of human / animal blastocysts or embryonic cells / tissues
- User friendly membrane key pad easy to clean
- Easiness of interior cleaning
- User friendly parameters setting
- Advanced horizontal air circulation guarantees stable and reproducible environment
- Chemicals resistant coated exterior
- CO₂ restored independently from cabinet humidity
- No cabinet humidity necessary, thus less possibilities contamination
- CO₂ presetted value recovered up to 1 min. after door opening
- Audio & visual alarm messages assure optimal safety
- Self diagnostic capabilities
- Connection to PC through RS 232 interface for parameters recording (optional)

Technical specifications:

Dimensions- ext.:	340 x 525 x 335 mm (W x H x D)
Dimensions- int.:	230 x 325 x 275 mm (W x H x D)
Int. volume:	20 liters
Weight:	32 kg
Connected load:	65 VA
Gas pressure:	1 bar +/-0,2
Temperature range:	5 °C above RT up to 45°C
Temperature accuracy:	+/- 0,1°K, PID - microprocessor controlled
CO ₂ range:	CO ₂ range: 0 - 10 % infrared measurement, microprocessor controlled
Standard preset:	5 %
CO ₂ recovery:	< 1 min after 10 s. door opening
CO ₂ accuracy:	+/- 0,1 %
Gas source:	99,9 % pure CO ₂ for medical use
Stainless steel shelves:	2 pieces

Safety features:

TECO 20 e / s conforms to CE- requirements

Order specifications:

TECO 20 e :	230 V / 50 Hz	order- no:	600.014 -1
TECO 20 e :	115 V / 60 Hz	order- no:	600.014- 2
TECO 20 s :	with additional point of RS 232 Interface, PC- cable for RS 232 9- poles, incl. Windows Software WIN TE 1.0 Analyzing system for supervising and controlling		
TECO 20 s :	230 V / 50 Hz	order- no:	600.005 -1
TECO 20 s :	115 V / 60 Hz	order- no:	600.005 -2
TECO 20 e / s :	Stainless steel shelves	order- no:	010.150

Options:

Alarm contact floating output (potential free)