

**Mechanical engineering
Scalding, slaughtering
and stunning systems**



**Stunning devices and device
for data collection DOKU**

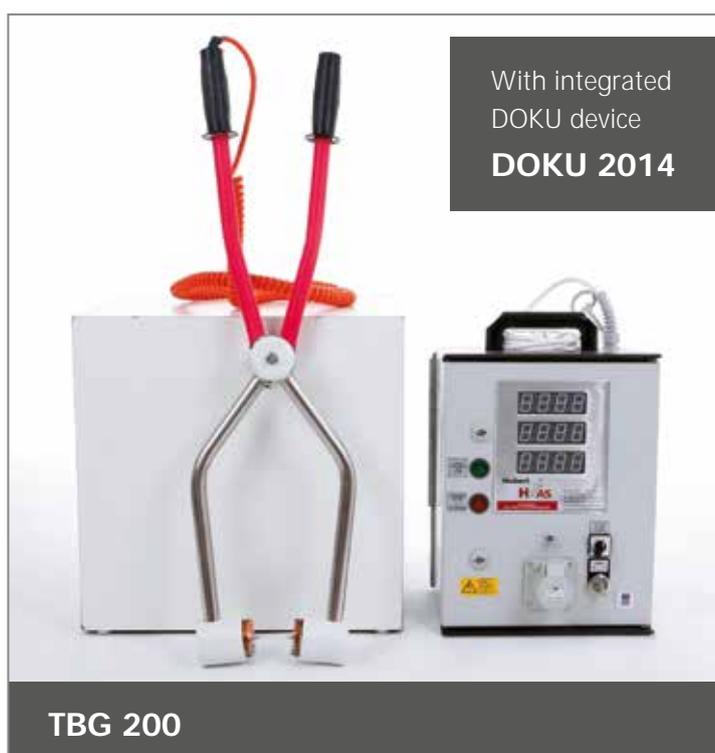
HAAS - where quality and performance meet!

Stunning devices

TBG 200

The TBG 200 humane-slaughter stunning device complies with EC Regulation No. 1099/2009 of 24/09/2009 and/or the national implementing provision for the animal protection slaughter regulation of 01/01/2013, as well as the current VDE (German association of electricians) regulations.

The TBG 200 represents quality "Made in Germany" and stands out due to its simple and safe handling. High-quality components and innovative technology ensure a long service life and high meat quality. The device can also be used for emergency culling in the event of epidemic outbreaks.



Technical specifications

Dimensions

400 x 225 x 300 mm

Weight

approx. 21 KG with wall mounting plate

Protection class

II

IP protection class

65

Mains connection

230 V 50 HZ

Slaughtering capacity

approx. 120 pigs/hour

Current strength

2,3 A

Voltage

250 V - 300 V

Humane stunning of animals:

- Rapid current increase in the 1st second to 2.0A
- Visual and audible signal for minimum stunning time not reached
- Visual and audible signal of minimum stunning time reached
- Visual and audible signal for minimum current 1.3A (for pigs) or 1.0 A (for sheep) not reached within the 1st second and/or not maintained throughout stunning time
- Integrated voltage and current displays (volts/amps)
- Display of units processed
- Combined brain-heart stunning possible
- 3 stunning programmes for different animal species/sizes and operating modes

TBG 100

The alternative to the TBG 200 if no documentation/analysis is required.

Humane stunning of animals:

- Rapid current increase in the 1st second to 2.0A
- Visual and audible signal for minimum stunning time not reached
- Visual and audible signal of minimum stunning time reached
- Visual and audible signal for minimum current 1.3A (for pigs) or 1.0 A (for sheep) not reached within the 1st second and/or not maintained throughout stunning time
- Integrated voltage and current displays (volts/amps)
- brain-heart stunning possible
- 3 stunning programmes for different animal species/sizes and operating modes

Equipment:

- Plastic casing or optional stainless steel casing
- Electronic high frequency with optimised stunning parameters for high meat quality
- Powerful 2.0A transformer
- Stainless steel wall mount for transformer and tongs
- Stainless steel stunning tongs with coiled cable, special handles and copper electrodes with centre spike for secure contact

TBG 96

Equipment:

- Rapid current increase in the 1st second
- Powerful transformer
- Visual and audible signal of minimum stunning time reached
- Warning lamp for minimum current strength of 1.3A
- Integrated voltage and current display (Volt/Ampere)
- Stunning tongs made of stainless steel with coiled cable, special handles and copper electrodes with centre spike for secure contact
- Stainless steel wall mount for transformer and tongs

Technical specifications

Dimensions

400 x 225 x 300 mm

Weight

approx. 21 KG with wall mounting plate

Protection class

II

IP protection class

65

Mains connection

230 V 50 HZ

Slaughtering capacity

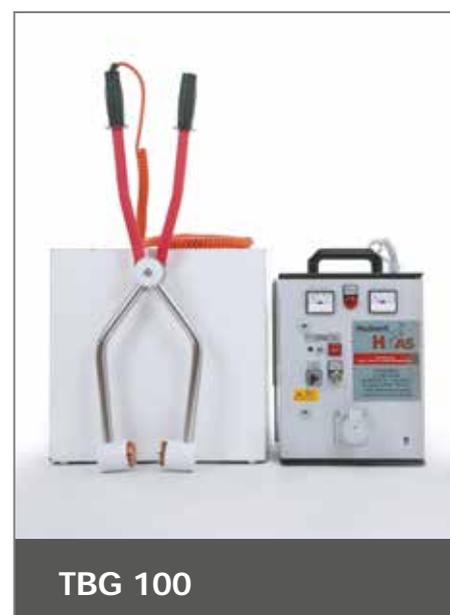
approx. 120 pigs/hour

Current strength

2,3 A

Voltage

250 V - 300 V



TBG 100

Equipment:

- Plastic casing or optional stainless steel casing
- Electronic high frequency with optimised stunning parameters for high meat quality
- Powerful 2.0A transformer
- Stainless steel wall mount for transformer and tongs
- Stainless steel stunning tongs with coiled cable ensure reliable contact
- Integrated data recorder for monitoring parameters relevant to animal welfare: current strength (A), voltage (V), frequency (Hz) and minimum stunning time (sec.)
- USB stick for data logging/transfer

Data analysis software "Inspector":

- The stunning parameters are analysed in the form of daily or monthly statistics showing date, time and various faults
- Individual animal data displayed as a graph or scale



Optional: Pneumatic tongs

- Suitable for stunning in trap or restrainer for pigs and sheep
- Substantially reduces effort for user due to compressed-air closing action
- Reliable electrode contact
- Adjustable closing speed/stunning time
- Available in 2 sizes (pigs/sows)
- Simple and safe application
- Use in combination with a manual or automatic heart electrode possible
- With control unit compatible with all animal-stunning devices
- Slaughtering capacity: approx. 180 pigs/hour

Optional: Stunning fork

- Suitable for stunning in trap or restrainer for pigs and sheep
- Simple and safe application
- Switchless operation

Documentation Device

DOKU 2014

The Haas documentation device is used to record animal welfare-related stunning parameters in accordance with the requirements of the animal protection slaughter regulation, EC No. 1099/2009 dated 24 September 2009 and the national implementing provision from 01 January 2013.



DOKU 2014

Technical specifications

Weight

7 Kg

Dimensions

250 x 350 x 170mm

Input voltage

230 V / 50 HZ

Specifications supplied

- Haas DOKU 2014
- Haas DOKU software
- USB stick

Equipment:

- Plastic casing or optional stainless steel casing
- Stainless steel wall mount

Data analysis software:

- The stunning parameters are analysed in the form of daily or monthly statistics showing date, time and various faults
- Individual animal data displayed as a graph or scale

DOKU 2014:

- Data recorder for monitoring parameters relevant to animal welfare: current strength (A), voltage (V), frequency (Hz) and minimum stunning time (sec)
- Display of units processed
- Frequency display
- Integrated voltage and current displays (volts/amps)
- Visual and audible signal for minimum stunning time not reached
- Visual and audible signal for minimum current 1.3A (for pigs) or 1.0A (for sheep) not reached within the 1st second and/or not maintained throughout stunning time
- Suitable for pigs, sheep and goats
- Compatible with all animal-stunning devices



Benzstraße 8 - D-73491 Neuler - Telephone: +49 (0)7961 969097-10 - Fax: +49 (0)7961 969097-20
Mobile +49 (0)171 7347763 - email: info@hubert-haas.de - Internet: www.hubert-haas.de