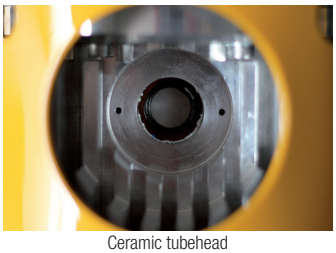
www.balteau.com

BALTOSPOT **CERAM235**

High voltage range:	**70 to 235kV**
Tube current range:	**0,1 to 5 mA**
Beam angle:	**40°**
Inherent Filtration (mm):	**1 Be**
Anode cooling type:	**Air**
Duty cycle:	**100%**
Insulation:	**SF6 gas**
Mains:	**180 - 260V**
Temp. switch:	**70°C**
Weight (without rings):	**27 kg**
Tubehead:	**Ceramic**
Control Unit:	**CF2000 or Hand-X**

MAIN FEATURES

- Pulsed wave technology
- Ceramic tube insert
- Air cooled
- Unique energy recovery module
- Rugged and light control unit
- Safety first, x-ray start with 2 buttons
- Full automatic preheating
- Works on power generator
- Very stable output
- Low consumption



Ceramic tubehead

KEY ADVANTAGES

- Very reliable
- Ergonomic guard rings
- temperature pressure switch
- Full automatic preheating process
- Low power requirement
- Cables with reduced size and weight
- Can be delivered with our 900g Hand-X including a Geiger-Müller detector
- CANON mil. metallic connectors
- Steadiness & Sturdinesss

MOST COMMON APPLICATIONS

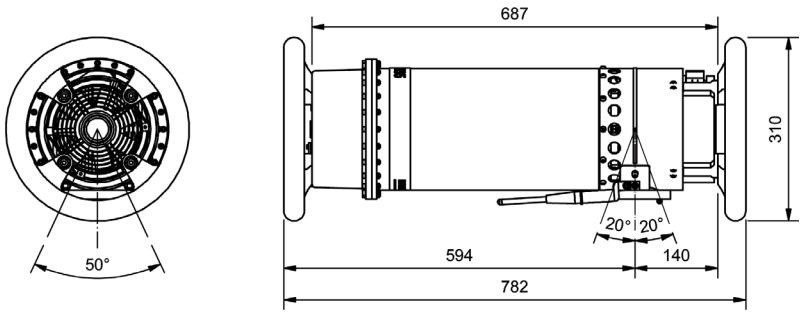
- Oil & Gas
- Shipyard building & Building sites
- Petrochemical & Power plants
- Foundries
- Railway parts
- Boiler or pressure vessels manufacturers

When you need a unit that can perform standard thicknesses inspections as well as occasionally heavy walled ones, the CERAM 235 is the perfect compromise.

Offering a maximum of 235 kV and 5 mA, the CERAM 235 combines all technological advantages of its big brother in the CERAM series and gives the flexibility of a unit smaller in size.

No compromises have been made to component selection or cooling, the unit is able to run on a 100% duty cycle thanks to its purposely designed tubehead and driving electronics.

MECHANICAL DRAWING



This unit has to be combined to one of the two available type of control units (CF2000 or Hand X), with very lightweight new generation of cables..

INTERNATIONAL

- CE certified
- NFC74-100 LCIE Certified

BALTOSPOT **CERAM235**

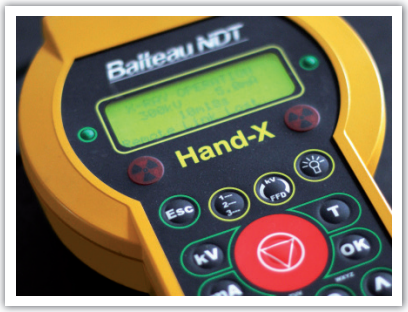
All specifications are non contractual and are subject to change without prior notice

Specifications	*Units*	**CERAM235**
High voltage range:	*kV*	**70 - 235**
Tube current range:	*mA*	**0,1 - 5**
Maximum anode power dissipation:	*Watt*	**1175**
Beam angle:		**40°**
Focal spot size (IEC336):	*mm*	**2 x 2**
Steel penetration at max (*):	*mm*	**43**
Max recommended temp.:	*°C*	**50°**
Temperature switch:	*°C*	**70°**
Inherent filtration:	*mm (Be)*	**1**
Anode cooling type:		**Air**
Duty cycle:	*%*	**100**
Mains:	*V*	**180 - 260**
Weight (without rings):	*Kg*	**27**
Tubehead:		**Ceramic**
Control unit:		**CF2000 or Hand-X**

* FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.

CF2000

- kV min step: **1**
- mA min step: **0,1**
- Time min step: **1 sec up to 99min 59sec**
- Memories: **100 last exposure/memories**
- Display: **4 lines, green back lighting**
- Mains: **170-260 V**
- Weight: **12,5kg**



Hand-X (Wireless remote control)

- kV min step: **1**
- mA min step: **0,1**
- Time min step: **1 sec up to 99min 59sec**
- Memories: **100 last exposure/memories**
- Display: **4 lines, green back lighting**
- Battery: **8h charge capacity**
- Weight: **900g**

STANDARD EQUIPMENT

- Internal pressure gauge
- Heavy duty lock type connector
- 20m connecting cable for control unit
- 10m power cable
- Cradle with heavy duty hand rings
- Holder for centering device filter & diaphragm
- Bag for accessories

OPTIONAL EQUIPMENT

- Lead shutter
- AVARA/P
- Warning flashing light & repeater
- Transport case
- Cradle & 4 legs adjustable stand
- Hydraulic stand
- 100-260 V adapter

Produced by:

Balteau NDT
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BALTOSPOT **CERAM235**

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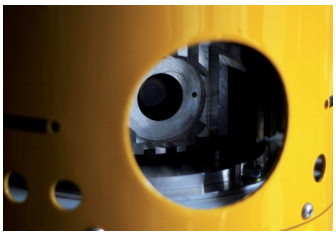
BALTOSPOT**CERAM35**

High voltage range:	**100 to 300kV**
Tube current range:	**0,5 to 5 mA**
Beam angle:	**40°**
Inherent Filtration (mm):	**1 Be**
Anode cooling type:	**Air**
Duty cycle:	**100%**
Insulation:	**SF6 gas**
Mains:	**180 - 260V**
Temp. switch:	**70°C**
Weight (without rings):	**29 kg**
Tubehead:	**Ceramic**
Control Unit:	**CF2000 or Hand-X**

MAIN FEATURES

- Pulsed wave technology
- Ceramic tube insert
- Air cooled
- Unique energy recovery module
- Rugged and light control unit
- Safety first, x-ray start with 2 buttons
- Full automatic preheating
- Works on power generator
- Very stable output
- Low consumption



Ceramic tubehead

KEY ADVANTAGES

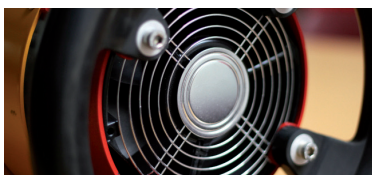
- Very reliable
- Ergonomic guard rings
- Temperature pressure switch
- Full automatic preheating process
- Low power requirement
- Cables with reduced size and weight
- Can be delivered with our 900g Hand-X including a Geiger-Müller detector
- CANON mil. metallic connectors
- Steadiness & Sturdinesss

MOST COMMON APPLICATIONS

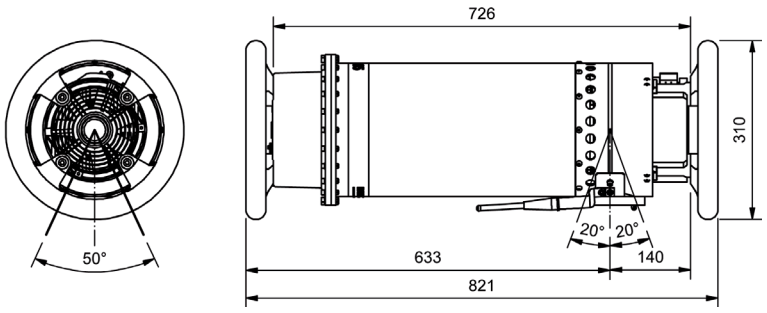
- Oil & Gas
- Shipyard building & Building sites
- Petrochemical & Power plants
- Foundries
- Railway parts
- Boiler or pressure vessels manufacturers

Balteau NDT is known for its unique and unequalled engineering and manufacture of portable equipment. The CERAM 35 is the result of the latest evolution of electronic and physics of X-rays. It has been engineered to meet and exceed your needs for now and the future.

The CERAM 35 is delivering 300 kV and 5 mA with a duty cycle of 100% for an incredible image contrast even at full power. Thanks to a purposely designed tubehead and driving electronics, the CERAM 35 is offering to the user both duty cycle and an enormous power to fit any important requirements.



MECHANICAL DRAWING



Gas insulation and right components selection have succeeded in producing one of the lightest 300kV in the market. The unit is extremely versatile and is confirming our reputation of builders for machines that are really made for field inspection.

INTERNATIONAL

- CE certified
- NFC74-100 LCIE Certified

BALTOSPOT **CERAM35**

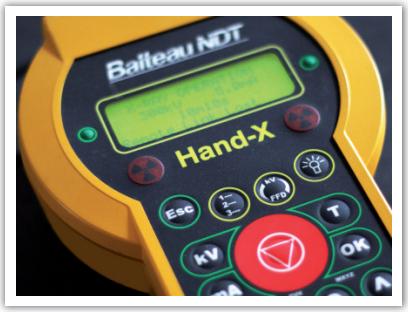
All specifications are non contractual and are subject to change without prior notice

Specifications	*Units*	**CERAM35**
High voltage range:	*kV*	**100 - 300**
Tube current range:	*mA*	**0,5 - 5**
Maximum anode power dissipation:	*Watt*	**1500**
Beam angle:		**40°**
Focal spot size (IEC336):	*mm*	**2,5 x 2,5**
Steel penetration at max (*):	*mm*	**58**
Max recommended temp.:	*°C*	**50°**
Temperature switch:	*°C*	**70°**
Inherent filtration:	*mm (Be)*	**1**
Anode cooling type:		**Air**
Duty cycle:	*%*	**100**
Mains:	*V*	**180 - 260**
Weight (without rings):	*Kg*	**29**
Tubehead:		**Ceramic**
Control unit:		**CF2000 or Hand-X**

* FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.

CF2000

- kV min step: **1**
- mA min step: **0,1**
- Time min step: **1 sec up to 99min 59sec**
- Memories: **100 last exposure/memories**
- Display: **4 lines, green back lighting**
- Mains: **170-260 V**
- Weight: **12,5kg**



Hand-X (Wireless remote control)

- kV min step: **1**
- mA min step: **0,1**
- Time min step: **1 sec up to 99min 59sec**
- Memories: **100 last exposure/memories**
- Display: **4 lines, green back lighting**
- Battery: **8h charge capacity**
- Weight: **900g**

STANDARD EQUIPMENT

- Internal pressure gauge
- Heavy duty lock type connector
- 20m connecting cable for control unit
- 10m power cable
- Cradle with heavy duty hand rings
- Holder for centering device filter & diaphragm
- Bag for accessories

OPTIONAL EQUIPMENT

- Lead shutter
- AVARA/P
- Warning flashing light & repeater
- Transport case
- Cradle & 4 legs adjustable stand
- Hydraulic stand
- 100-260 V adapter

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BALTOSPOT **CERAM35**

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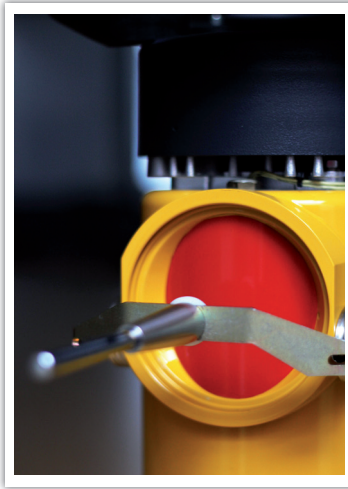
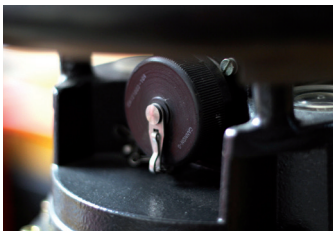
BALTOSPOT **GFD165**

High voltage range:	**50 to 160kV**
Tube current range:	**1 to 5 mA**
Beam angle:	**55°**
Inherent Filtration (mm):	**6 Al**
Anode cooling type:	**Air**
Duty cycle:	**100%****
Insulation:	**SF6 gas**
Mains:	**180 - 260V**
Temp. switch:	**70°C**
Weight (without rings):	**12 kg**
Tubehead:	**Glass**
Control Unit:	**CF2000 or Hand-X**

MAIN FEATURES

- High frequency
- Air cooled
- Very small & lightweight
- Unique energy recovery module
- Hand-X wireless remote operation availability
- Rugged and light control unit
- Safety first, x-ray start with 2 buttons
- Full automatic preheating
- Cables with reduced size and weight
- Works on power generator





Canon mil. metallic connector

KEY ADVANTAGES

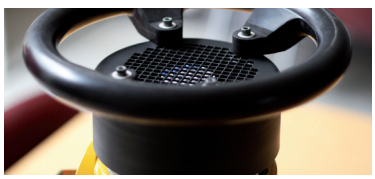
- High stability output dose
- Lightweight
- Can de be delivered with our 900g Hand-X including a Geiger-Müller detector
- Low power consumption
- Unmatched safety
- Very reliable
- Long term stable density
- Ergonomic guard rings
- CANON mil. metallic connectors

MOST COMMON APPLICATIONS

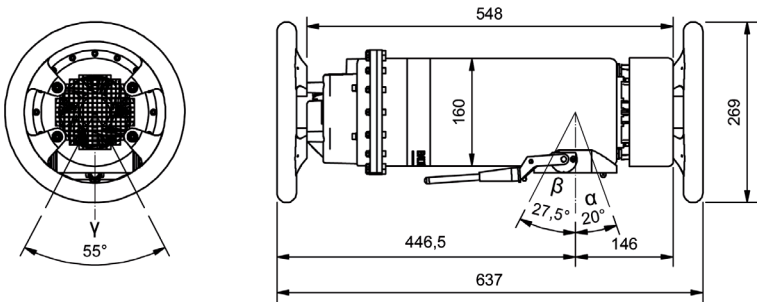
- Oil & Gas
- Shipyard building & Building sites
- Petrochemical & Power plants
- Tanks, reservoirs & pressure vessels
- Inspection companies & training centers
- Conventional films or CR applications

A number one hit for years, the GFD165 is the smallest unit of the GF series to date.

With a maximum of 160 kV and 5 mA, the GFD165 is a compact gas insulated unit designed for applications where size and weight matter. The GFD165 is the ideal machine for field applications where the unit needs to be frequently moved or inserted in tiny spaces. With regards to its 5mA and pulsed wave technology, the unit can penetrate medium to very thin materials, metallic or composites. It will easily surpass the poor contrast of Isotopes and will be a very good replacement in lower thickness ranges where Isotopes are generally not allowed.



MECHANICAL DRAWING



This unit uses the same driving electronic and technologies as the CERAM but is equipped with the standard well proven glass tube of Balteau NDT.

INTERNATIONAL

- CE certified
- NFC74-100 LCIE Certified

BALTOSPOT **GFD165**

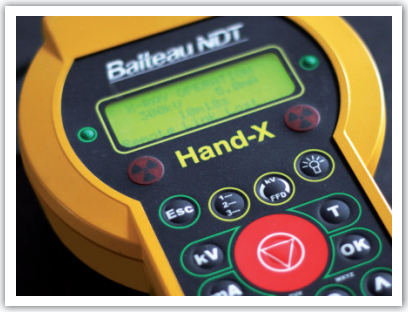
All specifications are non contractual and are subject to change without prior notice

Specifications	*Units*	**GFD165**
High voltage range:	*kV*	**50 - 160**
Tube current range:	*mA*	**1 - 5**
Maximum anode power dissipation:	*Watt*	**800**
Beam angle:		**55°**
Focal spot size (IEC336):	*mm*	**1,5 x 1,5**
Steel penetration at max (*):	*mm*	**17**
Max recommended temp.:	*°C*	**50°**
Temperature switch:	*°C*	**70°**
Inherent filtration:	*mm*	**6 Al**
Anode cooling type:		**Air**
Duty cycle:	*%*	**100****
Mains:	*V*	**180 - 260**
Weight (without rings):	*Kg*	**12**
Tubehead:		**Glass**
Control unit:		**CF2000 or Hand-X**

* FFD= 700mm/Film Carestream Industrex AA400/D=2.0/t=10min.
**At a temperature of 30°C reduced mA.

CF2000

- kV min step: **1**
- mA min step: **0,1**
- Time min step: **1 sec up to 99min 59sec**
- Memories: **100 last exposure/memories**
- Display: **4 lines, green back lighting**
- Mains: **170-260 V**
- Weight: **12,5kg**



Hand-X (Wireless remote control)

- kV min step: **1**
- mA min step: **0,1**
- Time min step: **1 sec up to 99min 59sec**
- Memories: **100 last exposure/memories**
- Display: **4 lines, green back lighting**
- Battery: **8h charge capacity**
- Weight: **900g**

STANDARD EQUIPMENT

- Internal pressure gauge
- Heavy duty lock type connector
- 20m connecting cable for control unit
- 10m power cable
- Heavy duty hand rings
- Bag for accessories
- Holder for centering device filter and diaphragm

OPTIONAL EQUIPMENT

- Lead shutter
- AVARA/P
- Warning flashing light & repeater
- Transport case
- Cradle
- Hydraulic stand
- 100-260 V adapter
- Laser centering rods

Produced by:

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