

Balteau NDT

BALTOSPOT – DC1

The DC1 control unit is derived from our well known CF2000 control unit and offers the majority of the same features but for controlling the BALTOSPOT Portable Constant potential series.

The unit can be distinguished from others by its two red handles and its slightly smaller size. Because power availability on sites is not that often easy to obtain, the DC1 unit uses the minimum power as possible. It also adapts to the different power supplies or variations without influencing the dose output or your image quality.

As always, BALTEAU is safety oriented and nothing has been left aside in that field. The waterproof ergonomic keypad and the large robust handles attached on the side are making it ideal for on site jobs as well as desktop uses. The 4 lines backlit clear display is giving at all time the necessary indications to the users about the status of operations. A convenient bright yellow cover is also protecting your unit when not in use.



Connectivity

The DC1 only needs to be connected to a generator to recognize it and to adapt all parameters accordingly. This control unit can control all Baltospot Constant Potential units without tiresome operations.

All connectors are metallic and of industrial type. Distances from the generator can be up to 100 m without interference on the dose output.

The DC1 is the perfect choice for fixed or semi-fixed installations or for field operations where sufficient room exists or shielded areas are present.

Power supply efficiency

The DC1 is able to feed 1000w generators but is designed to always use the adapted power corresponding to the settings of the parameters. This makes it one of the most efficient units in the market with power requirements so low that even very poor power supplies can feed it.

Automatic functions and software

One of the most interesting functions is probably the automatic preheating which takes care about this annoying but very important operation. Necessary preheating duration after resting period has also been brought to the minimum and locking features are allowing you to interrupt it before completion if needed. kV and mA are automatically adapted according to the tube load curve. Exposures parameters can also be managed by the menu FFD.

The DC1 carries the same features as the well known HAND-X but has neither the RS232 interface nor the integrated Dosimeter.

The last 100 exposures are held into the memory and can be retrieved via the Menu function. Up to 100 individual parameters can be stored in the memory for further uses.

Clear indications

The industrial keypad has been divided in specific areas that are well identified and easy to understand. Color coded keys with convex caps are helping the operator to enter its parameters with precision even wearing gloves. The minimum number of keys has also been implemented to facilitate operations and minimize teaching process. The display placed at the top of the membrane keypad is a 4 lines display with different language possibilities accessible from the internal menu.

The working and link status of the unit are visible at all time either on the external led lights or through the led included in the keypad itself.

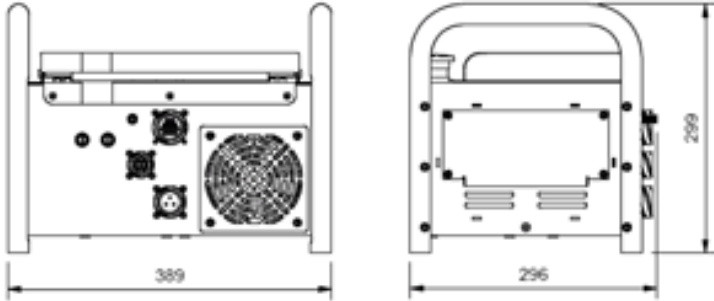
Compact and robust

The DC1 uses a very robust aluminum chassis that helps reducing the weight but also adds in rigidity. The size is compact and all external components are either protected by a cover or by the shape of the surrounding elements to prevent from being damaged during transport or installation.

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Specifications

Mechanical				
		Weight: 9,2 kg		
Electrical		Mechanical		
Mains supply AC	V	170 to 260	Connectors	
Frequency (Hz)	Hz	45 to 66		
Duty Cycle	%	100	Casing	
Operating Temperature	°C	-10 to +50		
			Protection	IP54
Functions				
kV min step	kV	1		
mA min step	mA	0,1		
Time min step	s	1, up to 99 min 59 s		
Keypad	24 keys embossed surfaces, anti scratch long life surface treatment			
Warning lights and safety device	3 step X-ray ON key, lockable emergency stop switch (CE), 3 positions key switch, Buzzer, Alphanumeric messages and LED			
Automatic preheating	Yes (90 sec. minimum)			
Memories	100 last exposure, 100 memories			
Display	4 lines, crystal clear, green back lighting, adjustable contrast			
Standard equipments				
DC1 control unit with cover and handles, X-ray on keys				
Optional accessories				
100 - 260 V adapter (US – 60Hz), Extra cables, Clignotix and safety box for switch connection, RS232 Cable				