

Assuredly the most advanced of all control units, the HAND-X is able to drive any of the BALTOSPOT® generators. The HAND-X® is a revolutionary wireless remote control which can operate a generator remotely from up to 100 m in open fields.

The purpose of this is certainly to gain freedom of moves in cluttered environment like shipyards of places where cables are at risk or never long enough because of mandatory twists and turns around existing infrastructures.

Having the control at your fingertips at all time including exposure is also of great advantage in terms of security as you can interrupt exposure at anytime if your surveyed area is not cleared anymore. The built in Dosimeter is ending the safety oriented features of the unit by providing the operator a reliable and convenient measuring device of exposure at the very place where he or she stands.

The Hand-X Power connected to the generator has specifically been designed to cope with harsh environment and bad power supplies.



Connectivity

When started together, the Hand-X, Hand-X power and the generator are forming a unique triplet which recognizes all interconnected elements and adapts parameters accordingly.

An already paired unit cannot interfere into the dialog protocol even if the unit are standing close one to the other. The patented low emission RF communication protocol is fail free and will immediately interrupt exposure if for any external perturbation the communication would be disturbed. If this happens or in places where you are not allowed to operate with RF emissions, the Hand-X can operate in standard desktop mode without Radio frequency operations on its cradle which also serves for charging the battery operated Hand-X.

When switching off the unit, a new association of elements can be done meaning that one Hand-X can control different units but for sure not at the same time!

The Hand X is equipped with an RS232 interface which provides an export possibility of parameters of exposures taken but also of work history for Safety records if any.

Power supply efficiency

The power block of the Hand X is the same as the very efficient CF2000 and therefore provides the same advantages in terms of power consumption and uses with power generators

Safety

As always BALTEAU is thinking about safety of users and public moreover on site conditions. The built in Dosimeter (GM) is not only helping the operator to stay out of risk by monitoring dose level, but also helps him to define the extension of the surveyed area where he works. The Hand X also extends the movement possibility of the operator and gives him the possibility to keep start and stop controls at hand all along the duration of the exposure.

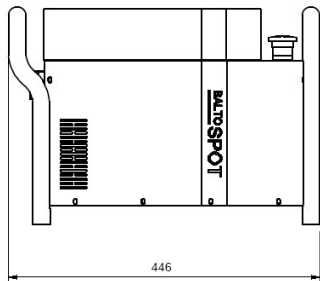
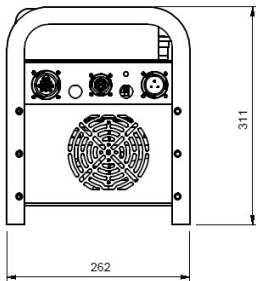

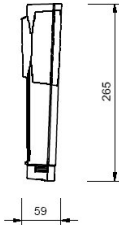
Automatic functions and software

One of the most interesting functions is probably the automatic preheating which take 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 unit with the specific software.

The CF2000 carries the same features as the well known HAND X but doesn't have the RS232 interface neither 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.

Specifications

Mechanical				
<div><div></div><div></div><div></div><div></div></div> <div>Weight: 12 kg Remote control: 0,9 kg</div>				
Electrical			Mechanical	
Mains supply AC	V	170 to 260	Connectors	Metallic military type. Independent earth screw.
Frequency (Hz)	Hz	45 to 66		
Duty Cycle	%	100	Casing	Aluminium, rough construction with protective handles and metallic cover
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		
Dosimeter (GM type)	Adjustable, two independent levels, STOP and Warning			
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			
Battery	Internal accumulator (2,5 A) – 8 hours charge capacity			
Standard equipments				
HDP + Hand-X control unit with cover and handles, X-ray on keys, External 12 V charger				
Optional accessories				
100 - 260 V adapter (US – 60Hz), Extra cables, Clignotix and safety box for switch connection, Automatic exposure calculation (manual or automatic), RS232 cable				

Producer

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