



E-COAT+3

POWDER COATING WARRANTY CONDITIONS



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Conditions Excluded from Warranty

1. Consumables that are expected to show normal wear and tear, including parts that may wear with use over time (e.g. gun cables, gun bodies, air hoses, powder coating hoses, filters, etc.).
2. Damages and malfunctions arising from the use of the product contrary to the specifications in the product identification and user manuals.
3. In the event of maintenance, repair or other intervention for any reason other than by persons authorised by Electron, the warranty given to the goods will be terminated.
4. Any damage or malfunction caused by physical impact.
5. Use of non-genuine spare parts or consumables.
6. Faulty assembly or installation (except when carried out by Electron or persons authorised by Electron)
7. Failures and damages caused by consumables that have not been replaced in the periods specified in the operating instructions, even if original spare parts are used.
8. Cracks or fractures on product screens.
9. Damage or malfunctions caused by improper earthing
10. Malfunctions caused by voltage sources that do not comply with the values specified on the product label.
11. Malfunctions caused by liquid contact.
12. According to ATEX and NFPA standards, warranty terms only applies for working ambient conditions between 0-40°C
13. Any damage or malfunction caused by use outside the Electron's required air specifications.
14. Warranty claims without serial number of the device or purchase order reference are invalid.
15. Non-Electron branded product warranties such as motor, etc. included in the product components are governed by the warranty terms of the relevant manufacturer. These products cannot be considered under Electron's warranty commitment.
16. In electronic card and cascade changes, the device will be out of warranty if more than two change is required within max.2 months.
17. The warranty of the parts replaced within the warranty period continues to be valid from the date of the first installation of the device. The part replaced under warranty does not extend the warranty period of the device
18. Customer is obliged to prove with visuals that it provides the necessary operating conditions when the customer requests warranty claim acceptance.

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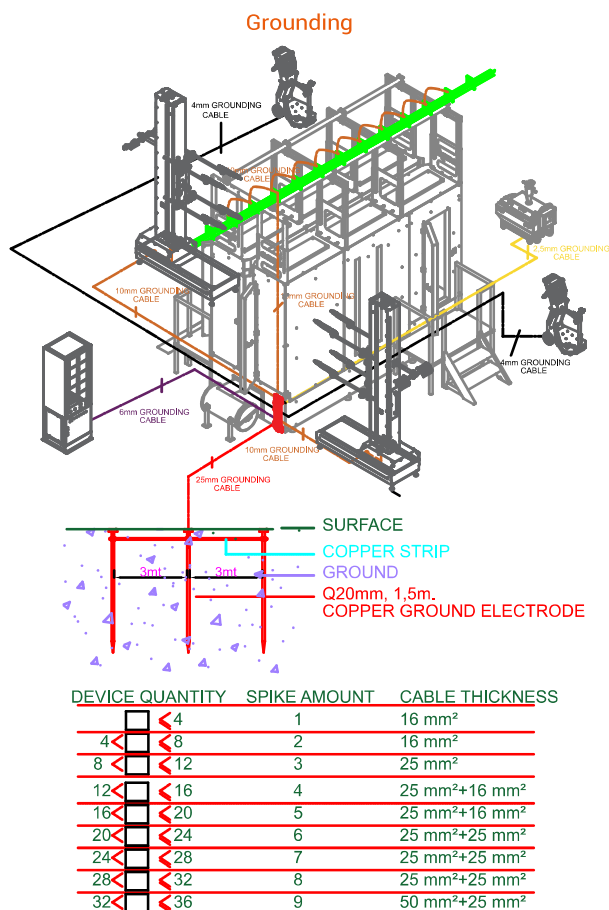
Warranty Conditions

ELECTRON provides this warranty to inform its customers and product users of the terms and conditions of the limited warranty applicable to our products. This warranty applies to all products sold by ELECTRON unless otherwise expressly stated in writing.

The Electron warranty covers the repair or replacement (at Electron's discretion) of your Electron device in the event of malfunction due to faulty materials or workmanship during the warranty period.

The warranty is effective on the date of purchase or, if later, on the date of delivery, and the warranty period is 4000 Hours or 2 years (whichever lasts first).

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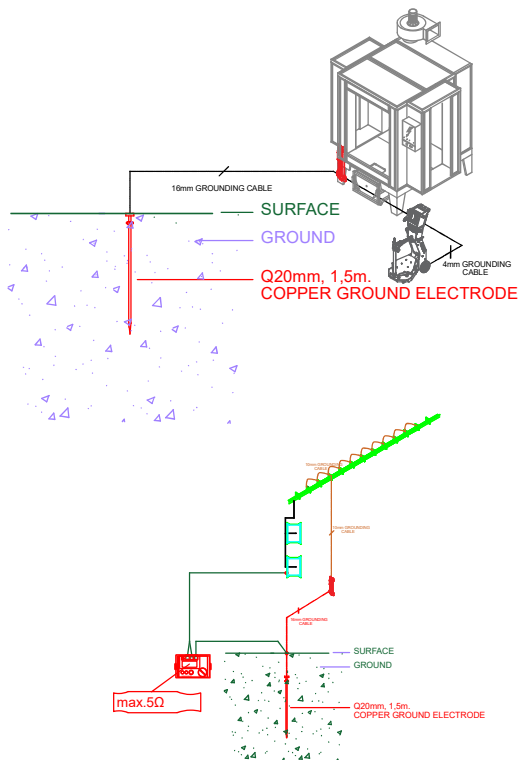
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Technical Data

Electrical Data

- Mains voltage difference should not exceed +/- 5%
- In the measurements made at the main distribution panel, voltage harmonic should not exceed 4% and current harmonic should not exceed 11%.

	E-COAT+3 Master Control Unit	E-COAT+3 Master P Control Unit	E-COAT+3 Pro Control Unit
Nominal Input Voltage	100-240 VAC	100-240 VAC	100-240 VAC
Operating Frequency	50-60 Hz	50-60 Hz	50-60 Hz
Input Power	60 VA	60 VA	60 VA
Gun Nominal Output Voltage	Max. 20 Vp-p	Max. 20 Vp-p	Max. 20 Vp-p
Gun Nominal Output Current	Max. 1,5 A	Max. 1,5 A	Max. 1,5 A
Auxiliary Output Type	24 VDC/max. 10W, 100-240 VAC/max. 100W	24 VDC/max. 10W, 100-240 VAC/max. 100W	24 VDC/max. 10W, 100-240 VAC/max. 100W
Purge Output Type	24 VDC, max. 10W	24 VDC, max. 10W	24 VDC, max. 10W
Working Temperature		0 °C - +40 °C	
Protection Class	IP54	IP54	IP54
Max. Operating Surface Temp	85°C	85°C	85°C
Certification	 II 3(2)D	 II 3(2)D	 II 3(2)D



All electricity conducting parts and machinery in the workplace must be earthed. Please connect a ground wire 1.5 meters before the entrance of the cabinet, in the middle of the cabinet and 1.5 meters after the exit of the cabinet. The grounding resistance must amount to a maximum of 5 Ohm resistance has to be tested regularly. The appropriate devices must be kept in the workplace for regular grounding checks.

Grounding cable must be connected to the grounding screw of the electrostatic powder spraying hand appliance. It should have a good connection with the booth, hopper and conveyor chain (if used).

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Pneumatic Data

- Recommended air quality is Class 2
- The required air is Class 4 and the max. distance to the dryer should be 30m.
- In case of max. air consumption, the accepted max. drop should be 0.15 bar

	E-COAT+3 Master Control Unit	E-COAT+3 Master P Control Unit	E-COAT+3 Pro Control Unit
Compressed Air Connection	8 mm	8 mm	8 mm
Input Pressure	5,5-7,0 bar & 150-200 l/min	5,5-7,0 bar	5,5-7,0 bar & 150-200 l/min
Max. Water Vapor in Compressed Air	1,4 g/m3	1,4 g/m3	1,4 g/m3
Max. Oil Vapor Content in Compressed Air	0,12 mg/m3	0,12 mg/m3	0,12 mg/m3

CLASS	SOLID/DIRT			WATER	OIL	
	Particle size			@7 bar/100 psi Pressure Dewpoint	Including vapor	
	0.1-0.5 µm	0.5-1.0 µm	1.0-5.0 µm			
Maximum number of particles per m³ °C °F mg/m³						
0	As specified by the equipment user or supplier					
1	≤ 20.000	≤ 400	≤ 10	-70	-94	≤ 0.01
2	≤ 400.000	≤ 6.000	≤ 100	-40	-40	≤ 0.1
3	-	≤ 90.000	≤ 1.000	-20	-4	≤ 1
4	-	-	≤ 10.000	+3	+38	≤ 5

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