SIMCO ION™
An ITW Company

soluciones electrostáticas



Industrial Static Control

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DC high voltage generator CM Medium

Simco-Ion Chargemaster systems are excellently suited for temporarily bonding materials; adhesion between the material surfaces is brought about by generating an electrostatic charge. As a result, production processes can often be simplified and accelerated. A system consists of a DC high-voltage generator and one or several charging electrodes. The generator generates the high voltage for the high voltage points in the electrodes. The high voltage points produce ions to charge the materials, which then adhere to each other or to other surfaces electrostatically. High-frequency switching technology is used in the generators. This technology ensures a consistent output voltage at a preset value, until overloading.

The CM Medium generator supply's the high-voltage for charging bars and electrodes. A combination of a generator and charging bar or electrode is called a Euro Charge Master electrostatic charging system. It allows you to temporarily bond materials. Euro Chargemaster systems provide a simple and economic solution for all In mould labeling applications. The CM Medium is a switched mode power supply. The generator output current is electronically restricted and protected against spark-over.

The output voltage can be set between 0 and maximum voltage of 30 kV. The generator incorporates functions for remote switching on and off as well as for remote setting of voltage (0-10 V).

Features

- Frontpanel factory selectable for flat or wall mounting
- Membraneswitches flatpanel
- Mounting brackets for bottom or top mounting
- No fan
- Short circuit protected output
- Very stable output voltage electronically controlled
- Remote control options:
  - switching high voltage on and off
  - output voltage setting: 0-10 V
- External (0 - 10 V)
- Large digital readout with backlight
- Run option for easy manually test
- External overload signalling

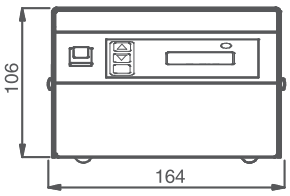


Technical specifications	
Housing material	steel, powdercoating
Weight	5,2 kg
Connections	4
I/O	Sub-D 25 p
High voltage reading	LCD display
Cable	2,5 m with plug and Euro Connecter IEC-320
Ambient temperature	0 - 40 °C
Use circumstances	industrial
U primairy	120 V or 230 V AC
Frequency	50 - 60 Hz
Power consumption	73 Watt
U secundairy	0 - 30 kV DC
I secundairy	0 - 1,5 mA
Polarity	pos. or neg.
Overloadindication	yes (with external signal)
Standard	remote control*
*Contact Simco-Ion Europe for detailed specifications.	





CM Medium for wall mounting with 180° turned frontpanel







Power supply output

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