

static control made **Easy!**

Product Specifications

Static bonding **Charging generators**



Indication LED's on both sides of the end of the CMME unit will display general information about the status of the unit.

Status	High voltage	Leds Blink green @ 10Hz		
Initialisation	Off			
Standby	Off	Blink green @ 1Hz		
Normal mode	On	Orange		
Overload cycly OK	On	Blink red @ 5Hz		
Supply voltage <18V	On	Blink red @ 5Hz		
Overload HV	On	Red		
Temperature >90°C	Off	Blink red/green @ 1Hz		

The CMME is equipped with an easily detachable high voltage distribution block. The high voltage distribution block is available with 1-8 connection cables.



Detachable high voltage distribution block

CM	M	F				2			
he CMME is a small			rging ge	enerato	or spe	cially	desi	gneo	d

for IML applications. The unit has fully integrated high voltage parts and only needs a 24V DC supply. The housing is compact, robust and only weighs 340 4 grams which makes it perfect for end of arm mounting in IML pick and place handling systems. It can easily withstand the high G-forces occurring during the IML process.

The CMME has a unique (patented) cyle OK feature

A signal will become active when the label(s) have accumulated enough

electrostatic charge indicating that the charging is finished. This signal can be

used by the machine interface to decide to stop charging.

A second stage in the cycle OK signal will indicate that the charge on the mandrell has dropped below a safe level to start moving the mandrell out of the mould.

This innovative feature completely eliminates the guess work and

experimental setup for each individual IML application, and when changing product or label.

The best part is; It will save you money!

Using the parameters generated by the CMME you can drastically reduce the charging time and thus the total cycle time of the injection moulding process.

- Speed up initial set up 0
- Speed up changeover
- 0 Speed up cycle time
- Increase reliability

The cycle OK signal even gives you more information about the process.

If during the charging process the charging level deviates more than 10%

- from the setpoint, the cycle OK signal will not be activated, telling you that
- charging was not successful.
- This could mean one or more of the labels are not present, causing too much voltage leakage.

15/06/2025 22:40



supplying a 4-20 mA signal for the setpoint and a 24V DC signal for remote on/off.



2

Ambient temperature 0- 55 °C			
Setpoint 4- 20 mA, 220 Ω internal resis Connection M12 connector, 5- pin Output Output Output voltage 0- 18 kV Output current Max. 0,4 mA @50% duty cycle Environment Operating environment Operating environment industrial, internal use Ambient temperature 0- 55 °C			
Connection M12 connector, 5- pin Output Output voltage Output voltage 0- 18 kV Output current Max. 0,4 mA @50% duty cycle Environment Operating environment Operating environment industrial, internal use Ambient temperature 0- 55 °C			
Output Output voltage 0- 18 kV Output current Max. 0,4 mA @50% duty cycle Environment Operating environment Operating environment industrial, internal use Ambient temperature 0- 55 °C	2		
Output voltage 0- 18 kV Output current Max. 0.4 mA @50% duty cycle Environment Operating environment industrial, internal use Ambient temperature 0- 55 °C	2		
Output current Max. 0,4 mA @50% duty cycle Environment Industrial, internal use Operating environment industrial, internal use Ambient temperature 0- 55 °C	2		
Environment Operating environment industrial, internal use Ambient temperature 0- 55 °C	2		
Operating environmentindustrial, internal useAmbient temperature0- 55 °C			
Ambient temperature 0- 55 °C			
	0- 55 ℃		
Protection class IP54			
Signalling			
Cycle ok Supply voltage -1 V (max.50 r	Supply voltage -1 V (max.50 mA)		
Remote on/off 10- 30 V			
Mechanical			
Dimensions (lxwxh) 200 x 45 x 36	200 x 45 x 36		
Weight 340 g (excluding high-voltag	340 g (excluding high-voltage cables)		
Housing material ABS	ABS		
Vibration resistance $\leq 6 \text{ G}, \leq 7 \text{ m/s}$	\leq 6 G, \leq 7 m/s		
Options IQ version	IQ version		

an als

Static bonding | Charging generators | CMME

Features

a dense de

4

		-	+	-
0	Supply voltage 24V DC	+	-	+
0	Cycle OK signal (patented)	-	$^+$	1
0	Compact and robust, capable of withstanding G-forces	+	-	+
0	No high voltage cable running through the cable channel	-	+	-
		+		+
0	Miniaturised Design	-	+	-
0	Detachable high voltage distribution block	+	-	÷
-	LED's as hash-sides	-	+	-
0	LED's on both sides	+		+
0	Microprocessor controlled		+	-
0	External Setpoint control	$^{+}$	\overline{a}	+
0	Remote on/off signal		+	
-		+		+
0	IQ version available	-	+	-
		-	-	+

Manual operation can be implemented by an additional control circuit. The control circuit enables you to mount a potentiometer and LED by simply providing 2 holes in the front panel of your machine interface.



Remote control kit optional

- - - - - - -

- + - +

- +

+ - +

Approximité

- + - + - + -

-l- --

- +

- + -

Static bonding | Charging generators | CMME



4

in de ... de

+ - +

- + - +