



GMS2 GROUND MONITOR SYSTEM

- **For use on plastic, metal or non-metallic surfaces**
- **User friendly control unit software**
- **Two levels of detection - current decay and arc signal frequency**
- **Mounting adapters available for most hollow wrist robots**
- **Monitors part for proper grounding**
- **Safe operation**

An electrostatic, powder or liquid system, relies on well-grounded parts to attain the best coating results and transfer efficiency. The GMS2 (Ground Monitor System) enhances your electrostatic system to ensure your operation is at optimum performance. Ransburg's GMS2 reduces production costs while increasing the quality for your finishing system.

Ransburg's GMS2 monitors the difference between properly grounded parts, increasing the margin of safety. After scanning the part for an electrostatic charge, the ground monitor control unit circuitry, monitors several variables and compares the reading against a predetermined standard. If the readings fall outside of an acceptable range, the notification alarm will activate, allowing adjustments to be made, eliminating rework while increasing quality.

A system that is improperly grounded can cause overspray, excess paint build-up or thin film builds which ruin parts and can be a safety hazard. GMS2 ensures a well-grounded part and delivers a high quality finish.

GMS2

GROUND MONITOR SYSTEM

Ransburg

Features and Benefits

Utilizes Various Input Signals For Part Detection...

limit switch, photo-eye, PLC, robot signal or any 0 Volt ground trigger detection process

Advanced Technology...

allows user to adjust control unit for specific field calibration

User-Friendly...

allows end user to control start timer, scan duration timer and alarm outputs

Easy To Read Visual Indicators...

users receive simple, precise feedback regarding ground path strength

Versatile Ungrounded Part Alert Notification...

unit provides two contact closures that may be interfaced to a PLC, horn or light for ungrounded part alert. Contact closures included are:

- One FAULT indicator
- One HIGH VOLTAGE ON indicator



The GMS2 control unit features easy viewing indicators for setting and tracking.

Specifications

Operations:

Probe distance from substrate for accurate monitoring:	4 inches \pm one inch (100 mm \pm 25mm)
Minimum time for measurement and result output signal:	3.5 seconds
Low voltage cable length:	10 meters standard, 15, 20, 25 & 30 meters optional

Control Unit:

Input voltage:	110/220 VAC
Probe output:	85 kV maximum
Current output:	100 uA maximum
Height:	5.5 inches (14.0 cm)
Width:	8.5 inches (21.6 cm)
Depth:	7.5 inches (19.1 cm)
Weight:	7.5 lbs. (3.4 Kg)

Probe: (Replaceable Electrode)

Length:	12.1 inches (30.7 cm)
Weight:	1 lb. 10 oz (.75 Kg)
Mounting bracket weight:	1 lb. 3 oz (.65Kg)
Mounting bracket adjustment angles:	0, 30, 60 & 90°



GMS2 with antenna provides two levels of ground detection.

Ransburg

320 Phillips Ave.
Toledo, Ohio 43612-1493 USA
Toll Free: 800-909-6886
Fax: 419-470-2270
marketing@ransburg.com
www.ransburg.com

IL-8457-A, 3/2014

Copyright 2014 Ransburg. All rights reserved. Models and specification subject to change without notice.

DeVILBISS

Ransburg

BGK

BINKS

Finishing Brands