

Are you ready for those unexpected **BUS STOPS**?



e-STROKE[®]
Brake Monitoring System



- ✓ **Instant Electronic Brake Stroke Status Check**
- ✓ **Promotes Responsive Preventive Maintenance Which Elevates Bus Safety Levels**
- ✓ **Helps Reduce Bus Fleet Operating Costs**
- ✓ **Wheel-Specific Real-Time Monitoring Capability**
- ✓ **Diagnostic Tool—Pinpoint Brake Problems Early**
- ✓ **Easy-to-Read LED Display**

*A Leader in Truck & Bus Safety—
Worldwide.*



MGM BRAKES
A Division of Indian Head Industries, Inc.

e-STROKE®

Brake Monitoring System

Anytime. Anywhere. Any Weather.

Get e-STROKE®



The MGM Brakes e-STROKE® system provides a quick, accurate brake stroke status reading for any air-braked transit bus or motorcoach with exposed push-rod spring brake chambers. The easy-to-read, in-cab mounted Chassis Communications Module (CCM) produces wheel-specific LED blink codes that pinpoint existing brake problems.

Stroke sensing components are factory installed as an integral part of MGM Brakes service chambers and spring brakes, helping to keep them from the elements and out of harm's way.

This unique, patented design eliminates the accuracy, reliability and durability issues inherent with an externally-mounted sensor system.

Get Serious About Saving Money.

Good preventive maintenance can significantly lower parts and labor costs. The e-STROKE® system is an excellent diagnostic tool to find and remedy brake problems before they become serious and costly.

Keeping transit bus and motorcoach braking systems in optimal condition and adjustment obviously reduces the risk of brake-related problems and accidents. The e-STROKE® system can help bus fleet operators save money!

Get Serious About Safety.

The e-STROKE® system's ease-of-use promotes operational safety—always a serious concern when transporting passengers. Bus drivers can conduct brake stroke status checks and discover problems each day during a walkaround inspection before getting on the road.

Since the CCM is typically mounted inside the bus, 'real time' monitoring is possible—the LEDs display constant feedback as the bus is driven and the brakes are applied. With e-STROKE®, knowing the brake stroke status of transit bus and motorcoach braking systems is seriously simple.



50 Years of Leadership

A Leader in Truck & Bus Safety—Worldwide.

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SYSTEM STATUS INDICATOR.
Reveals at a glance if the voltage is sufficient and the system is functioning properly.

EASY-TO-READ WHEEL SPECIFIC INDICATORS.
LEDs produce green, red or orange blink codes that signal specific brake chamber stroke statuses.

INTEGRAL BLINK CODE LISTING.
Handy, concise listing of all possible blink codes printed right on CCM.

DURABLE CABLE & CONNECTORS.
The finest heavy-gauge wiring and water-proof connectors ensure reliable operation. Metri-Pack Sealed, IP66 rated.

ENVIRONMENTALLY SEALED.
CCM unit is completely potted and sealed to keep out dust, water and contaminants.

WITHSTANDS WEATHER EXTREMES.
Freeze it or heat it—broad operating temperature range of -40°F to +176°F.

*U.S. Patent Nos. 5,450,930 and 5,825,287 and other U.S. and Foreign Patents Pending.

SPECIFICATIONS

Chassis Communications

Module (CCM)—
 Dimensions: 7" W x 3.75" H x 2" D
 Weight: 2 ± 0.5 lbs.
 Power: 9.5 to 30 VDC
 Cable Connectors: Metri-Pack Sealed
 150 & 280 Series, IP66 rated
 Operating Temp.: -40°F to +176°F

Sensor/Cable Assembly—

Power: 5 VDC supplied by CCM
 Sensor Cable Lengths: 8' to 60'
 SAE J1128 and J2202 requirements
 Cable Connectors: Metri-Pack
 Sealed 150 Series, IP66 rated
 Operating Temp.: -40°F to +176°F

Specifications Subject to Change