

Could Your School Bus Fleet Be Even SAFER?



e-STROKE[®]
Brake Monitoring System

Is The Answer.

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



MGM BRAKES
A Division of Indian Head Industries, Inc.

A Leader in Truck & Bus Safety—Worldwide.

*"Is e-STROKE[®] on
your bus fleet?"*



Get e•STROKE®



The MGM Brakes e•STROKE® system provides a quick, accurate brake stroke status reading for any air-braked school bus with exposed push-rod spring brake chambers. The easy-to-read Chassis Communications Module (CCM) which can be mounted in-cab 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 school bus braking systems in optimal condition and adjustment obviously reduces the risk of brake-related accidents. The e•STROKE® system can help school bus contractors and school districts save money!



• **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 the CCM.

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

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

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

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

Get Serious About Safety.

The e•STROKE® system's ease-of-use promotes operational safety—always a serious concern in the school transportation industry. Bus drivers can conduct brake stroke status checks and discover problems each day before beginning their routes. With the CCM mounted inside the school 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 status of a school bus braking system is seriously simple.

A Leader in Truck & Bus Safety—Worldwide.

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



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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