



Application
Die Casting

Products Used
953VMax, 955 BRIK, 950MD

Problem

Die Casting machinery is very much like Plastic Injection molding machinery except that these machines are subjected to some of the harshest environments. Large Hydraulic cylinders with linear feedback force molten metal into the mold. Because of these extreme temperatures and shock loads, longevity has been a problem for many feedback sensors.

Solution

Sensors on these machines are subject to high shock, vibration and extreme temperatures. Magnetostrictive sensors provide the best solution for this application. The 953 VMax is tolerant to this hostile environment. The 953 VMax is designed to operate up to 85°C, and can withstand 1000 G's of shock and 30 G's of vibration. When combined with our 950MD housing, we can offer unparalleled protection and ensure survivability in these rugged applications.

Benefits

When combined with our 950MD housing, the LDT sensors can be protected from falling debris and extreme temperatures. Our 950MD offers optional water cooled jackets, vortex coolers and air purges to ensure the sensors don't exceed their temperature rating.

- High shock & vibration ensure longevity and reduced maintenance
- Competitive connectors for drop-in replacement of other LDTs
- Programmable zero & span
- Diagnostic LED allows quick troubleshooting

All of the above means a lower overall sensor cost requirement over the life of the machine.

Conclusion

The 953 VMax offers analog, digital and SSI outputs and is available with competitive connectors for drop-in replacement. When retrofitting older Die cast machines, the Gemco 950MD housing can simplify the installation with simple two point mounting and protect the sensor from falling debris and extreme temperatures. Consult the factory at 800-635-0289 to discuss your application, or visit www.ametekapt.com for a complete listing of our LDT offerings.



953 VMAX



955 BRIK



950MD



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