

In this edition:

CMGZ309 Tension Controller -  
The Spearhead of a New  
Generation

F202 Series Force Measuring  
Sensors - High Performance in a  
Compact Package



Dear Customer,

Closed Loop Tension Control without the use of a PLC has always been a challenge for both OEMs and End Users. Many applications, however, do not require the substantial cost and complexity of a PLC. With that in mind FMS AG has developed a new generation of digital tension controllers that perfectly combines application flexibility with ease of use.

### **CMGZ309 Tension Controller - The Spearhead of a New Generation**

The CMGZ309 Digital Tension Controller is a Plug & Play device that offers high performance closed-loop PID tension control in a compact housing. In Tension Control applications where the use of a PLC is not practical the CMGZ309 can be depended upon to control a brake, a drive on an unwind stand, an intermediate drive, or a rewind drive. Operation of the controller is straightforward with a Front Panel that offers both an LCD display and easy to use keys for parameter setting and / or operational adjustments. Its fast reaction time, accurate tension measurement, and advanced controlling features are ideally suited to provide optimal web control.

Built-in taper tension option, automatic start-up ramping function, digital signal filtering, Ethernet connectivity and many more features make the CMGZ309 a powerful and user-friendly tension control system. It enables operators to maximize production rates while minimizing product changeover time

All units are available in Wall, DIN Rail, and Panel mount housings providing a variety of installation possibilities.

[www.fms-technology.com/en/cmz309-tension-controller.php](http://www.fms-technology.com/en/cmz309-tension-controller.php)



### **F202 Series Force Measuring Sensors - High Performance in a Compact Package**

The F202 Series of Force Measuring Sensors for both live shaft (F202 Sensor) and dead shaft (FA202 Sensor) requirements were designed with a focus on lean dimensions. Their slim design provides a new option for accurate web tension measurement on machines where wider sensor designs simply will not fit. Available in five nominal force ratings from 50N (11 lbs) to 1000N (225 lbs), the sensors are suitable for a wide range of applications.

Due to their highly linear measuring characteristics the sensors are rated in the 0.3% Accuracy Class and offer an excellent Force Measurement Range of 30:1. The F(A)202 Sensors are constructed of stainless steel and thus are corrosion resistant, ultra durable, and the perfect answer for converting applications of textile, paper and foils.

Data Sheets down load:

[www.fms-technology.com/downloads/data/F202\\_e.pdf](http://www.fms-technology.com/downloads/data/F202_e.pdf)

**Imprint**

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