



Newsletter May 2005

**New: PRIAMUS Monitor**

PRIAMUS Monitor is a portable data acquisition system for maximum 16 charge, temperature or voltage signals.

The system includes easy to use process monitoring software and an extreme compact and powerful embedded system – the PRIAMUS eDAQ™.

The measuring data are transmitted with a high sampling rate via Ethernet interface to a PC or Laptop where they are documented and displayed for process optimizing.



This new method of High Speed Ethernet Data Acquisition simplifies the measurement of physical values significantly. All it takes for the transmission of the measuring signals to a PC is a standard Ethernet cable.



Unlike conventional data acquisition systems, PRIAMUS Monitor does not require any additional boards for A/D conversion of the measuring signals or for the output of alarm signals, because all these functions are already integrated into the eDAQ™ system.

Since no slots in the connected PC are required anymore, the PRIAMUS Type 8006A „Ultra Slim“ Panel PC, or conventional PC's or laptops can also be used for display and acquisition of the data.

The PRIAMUS eDAQ™ provides a number of real time monitoring and control functions which can be used for switchover to holding pressure, for control of sequential molding applications or for the control of valves.

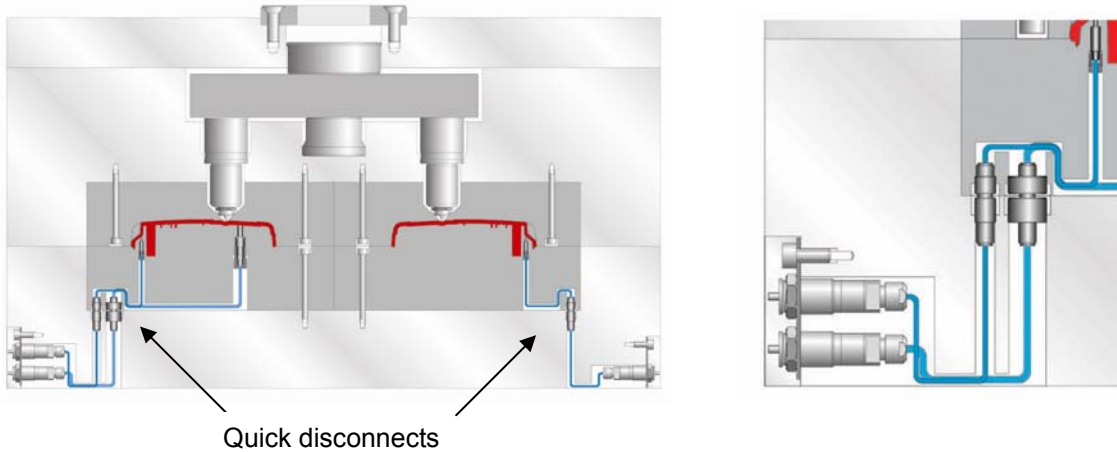
Additional functions are the automatic sensitivity detection of PRIASED™ sensors, the automatic range setting as well as the automatic determination of the monitoring limits in production with the help of the so called Master Key.

The system is supplied in a portable case with plenty of space for accessories. The user selects the configuration of the measuring signals (e.g. number of cavity pressure, cavity temperature or machine signals). The system is available with 8 or 16 channels.





**Quick disconnects for cavity pressure and cavity temperature:  
Easy mounting and dismounting of mold inserts**



Many molded parts are not made in the mold platen itself but with the help of mold inserts. This makes it easier to manufacture and maintain the cavities. Cavity pressure and cavity temperature sensors however can very often not be used due to limited space. In addition, it is unhandy to handle fix installed sensors when mounting and dismounting the mold inserts.

With the new PRIAMUS quick disconnects for cavity pressure and cavity temperature, mold inserts can be mounted and dismounted by a simple plug connection while the sensors remain in the mold insert.

This patent pending application is especially fail-safe because the sensors do not stay in the mold platen as a "bolt" and can therefore not be damaged. They stay safely packed in the mold insert even after dismounting.

The essential advantage of this system is that different mold inserts with different sensor positions can be used without changing the position of the quick disconnects. Unlike a sensor which is installed in the mold platen itself, the sensor position can still be selected flexibly according to the design of the molded part while the dimension of the mold insert is of no importance.

Quick disconnects are available for PRIAMUS cavity temperature sensors as well as for PRIAMUS cavity pressure sensors with sensitivity detection (PRIASED™).

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