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The New Beamex MC6 Advanced Field Calibrator and Communicator

The new Beamex® MC6 is an advanced, high-accuracy field calibrator and communicator. It offers calibration capabilities for pressure, temperature and various electrical signals. The MC6 also contains a full fieldbus communicator for HART, FOUNDATION Fieldbus and Profibus PA instruments.

The usability and ease-of-use are among the main features of the MC6. It has a large 5.7" color touch-screen with a multilingual user interface. The robust



IP65-rated dust- and water-proof casing, ergonomic design and light weight make it an ideal measurement device for field use in various industries, such as the pharmaceutical, energy, oil and gas, food and beverage, service as well as the petrochemical and chemical industries.

The MC6 is one device with five different operational modes, which means that it is fast and easy to use, and you can carry less equipment in the field. The operation modes are: Meter, Calibrator,



Documenting Calibrator, Data Logger and Fieldbus Communicator. In addition, the MC6 communicates with Beamex® CMX Calibration Software, enabling fully automated and paperless calibration and documentation.

In conclusion, the MC6 is more than a calibrator.



Unmatched accuracy

Today's process instrumentation is becoming more and more accurate. Therefore, calibration equipment must also have improved accuracy. When Beamex develops new measurement equipment, it makes no compromises in terms of accuracy – it must be best-in-class. The MC6 makes no exceptions. Accuracy is one of the main features of the MC6. It is among the most accurate, advanced field calibrators available on the market.

Click [here](#) for further details

Functions

- Pressure measurement
- Voltage measurement
- Current measurement
- Frequency measurement
- Pulse counting
- Switch state sensing
- Built-in 24 VDC loop supply
- Voltage generation
- Current generation
- Resistance measurement
- Resistance simulation



- RTD measurement & simulation
- TC measurement & simulation
- Frequency generation & Pulse queue generation

User-interface modes

- Meter - a simple and easy way to measure
- Calibrator - measure or generate/simulate two signals at a time.
- Documenting Calibrator - perform automated, documented calibrations of process instruments
- Data Logger - perform multichannel (up to 9 channels) data logging
- Communicator - field communicator for HART, FOUNDATION Fieldbus and Profibus PA instruments
- Settings - manage settings of the MC6

SWORD Supply Petrovietnam with Beamex Bench Calibration

Despite its limited amount of arable land, Vietnam's agricultural economy has demonstrated impressive success, particularly in the 15 years since the introduction of doi moi.

Vietnam has not only achieved self-sufficiency in rice production, but is now a major global food exporter and is the world's third leading exporter of rice, competing actively with Thailand and the United States in this global market.



Between 1988 and 1997, total food production in Vietnam increased 50 percent. This extraordinary agricultural success not only contributed positively to Vietnam's foreign exchange earnings, but also contributed to a reduction in the incidence of poverty.

The Phu My Fertilizer Plant has made an invaluable contribution to this success by manufacturing Urea which is a convenient



THE TECHNICIANS AT THE PLANT TAKE DELIVERY OF THE MCS100 BENCH UNIT

form of nitrogen for fertilizing crops.

The plant also produces liquid ammoniac, industrial gas and other chemical products. Today, PVFC Co production satisfies roughly 50% of the total urea domestic demand (total domestic demand is from 1.6 – 1.8 million tones per year) and about 40% of the liquid ammoniac. Sword has supplied the plant with a Calibration Bench and Electrical Calibration Test Benches.

Beamex has introduced a new Modular Calibration System, the MCS200. It is a modular test and calibration system for workshops and laboratories. MCS200 offers efficient and ergonomic possibilities for the maintenance of process instruments. [Click here for more.](#)



PETROVIETNAM FERTILIZER AND CHEMICALS CORPORATION

MCS200 Bench System New Features

- Advanced construction, more flexibility
- Newly designed equipment panel
- Standard sizes: 1.8m and 1.5m
- Dual panel possibility
- Grouping of benches with common leg



- Height adjustable tabletop and module rack
- Durable LED lighting
- New instrument modules
- Flexible movement of accessories under tabletop
- Pressure, electrical and data connections placed under panel for easier access
- Fittings and accessories

Why Beamex?

- **Cost savings:** cost savings from automating and simplifying calibration work at all levels.
- **Improve quality:** improve quality by identifying good performance, adverse trends and by minimizing human errors.
- **Safe calibration:** Beamex Intrinsically safe calibrators are safe for the employees. IS-calibrators are also

What do other customers say?

- 97 % will probably recommend Beamex to a colleague.
- 96 % of calibration software customers say that using Beamex products has improved efficiency.
- 9 out of 10 say that using Beamex products has resulted in cost-savings.
- 96 % say that using Beamex products has improved the quality of their calibration system.



MR RAFIK HANNA FROM SWORD PROVIDES A TRAINING SESSION

General features

- A workstation is ideal when most maintenance and calibration tasks are performed in the workshop
- Modular design allows configuration based on user-specific requirements
- Many different types of applications
- Safe, ergonomic and versatile workstation