



Technical Training – Module 2

MIC Ignition Controllers and DetCon Detonation Control System

The MOTORTECH ignition control series now offers solutions for nearly all types of gas and engine sizes. Our collaboration with engine and plant manufacturers and operators has led to specific designs and equipment that enable engines to offer peak performance. The growing biogas market, the use of fuel gases such as mine or drilling gases and all other types of alternative fuel applications, have led to an increased demand for higher ignition energy, long spark duration with constant spark current, and very accurate ignition timing control. To achieve maximum utilization of combustion energy that at the same time avoids knocking, engines are now equipped with detonation control systems. These enable the engine to run near the knock limit and shifts towards a late ignition timing if necessary. This is made possible through the combination of the MIC ignition controllers and the DetCon detonation control systems.

👤 Target Group

This course is geared to technicians, commissioning engineers and CHP operators who would like to gain a better technical understanding of the MIC ignition controllers and the DetCon20.

Our experienced trainers are qualified service technicians who have thorough knowledge about the regular use of the components and provide support on-site on a daily basis.

📋 Objective

Upon successful completion of the training session, participants will be able to program this ignition controller series and put it into operation based on practical examples. They will also learn about the DetCon system structure and how it functions.

Final test to achieve the bronze or silver status from the main topics Module 2 to prove the acquired knowledge on request.

MAIN TOPICS MIC IGNITION CONTROLLERS

- > MIC3+/MIC4/MIC5
- > Set up and function of the ignition control units
- > MICT programming software with application examples
- > Practical product training on engine simulator
- > Possible pickup errors
- > Application notes pickup
- > Troubleshooting MIC3+ / MIC4 / MIC5

MAIN TOPICS DETCON20 DETONATION CONTROL SYSTEM

- > Set up and function
- > Interaction and integration
- > DetCon application notes for ignition control unit

MAIN TOPICS POWERVIEW3

- > Motor data visualization
- > Operating software Trend Viewer

📄 For the practical exercises it is necessary that each participant brings/keeps a laptop.

📍 **New Training Center Location:** Hunaeusstrasse 5, 29227 Celle



Presence Training

- 🕒 Duration: 2 days (8:30 a.m.–4:30 p.m.)
- € Price: 440.00 € per participant (includes training materials, lunch snack, hot and cold beverages)

MOTORTECH Service

☎ Telephone: +49 5141 93 99 220

Online Training

- 🕒 Duration: 2 days (8:30 a.m.–3:30 p.m.)
- € Price: 340.00 € per participant (includes training materials)

✉ Email: training@motortech.de