Combustion Control Module CCM

High speed cylinder pressure data acquisition for Diesel- and Gas engines

- Cylinder balancing
- Knock detection
- Misfire detection
- Thermodynamic parameters
- Easy integration to controller

Application:
- 2 stroke engines: 40...1000 RPM
- 4 stroke engines: 100 ... 1800 RPM

Functions of CCM and Engine Control system
Technical-data CCM

**Analogue input and resolution**
- 12 analogue inputs for pressure 4...20mA, max. sampling resolution 0,1°CA
- A/D conversion resolution 12bit

**Communication**
- CAN Interface up to 1 Mbit/s
- Fast Ethernet LAN Interface 100MBits/s
- 6 binary inputs 24VDC
- 2 isolated binary inputs 24VDC
- 8 Relay output, 4 changes over contact, 0.5A
- 1 analogue output 4...20 mA

**Environmental conditions**
- Temperature max 85°C
- Humidity 95% condensation

**Vibration with shock damping elements**
- 2 – 25Hz: magnitude + - 1.6 mm
- 25 – 100 Hz: acceleration + - 4 g
- 20 – 2000 Hz: 1.3 g

**Shock**
- 15 g, 11 ms halfsinusshock

**Power supply**
- +24 VDC (18...32VDC)

**Housing**
- Dimension: 335 x 211 x 94 mm, Weight: 3 kg