

Combustion Inspection Module CIM

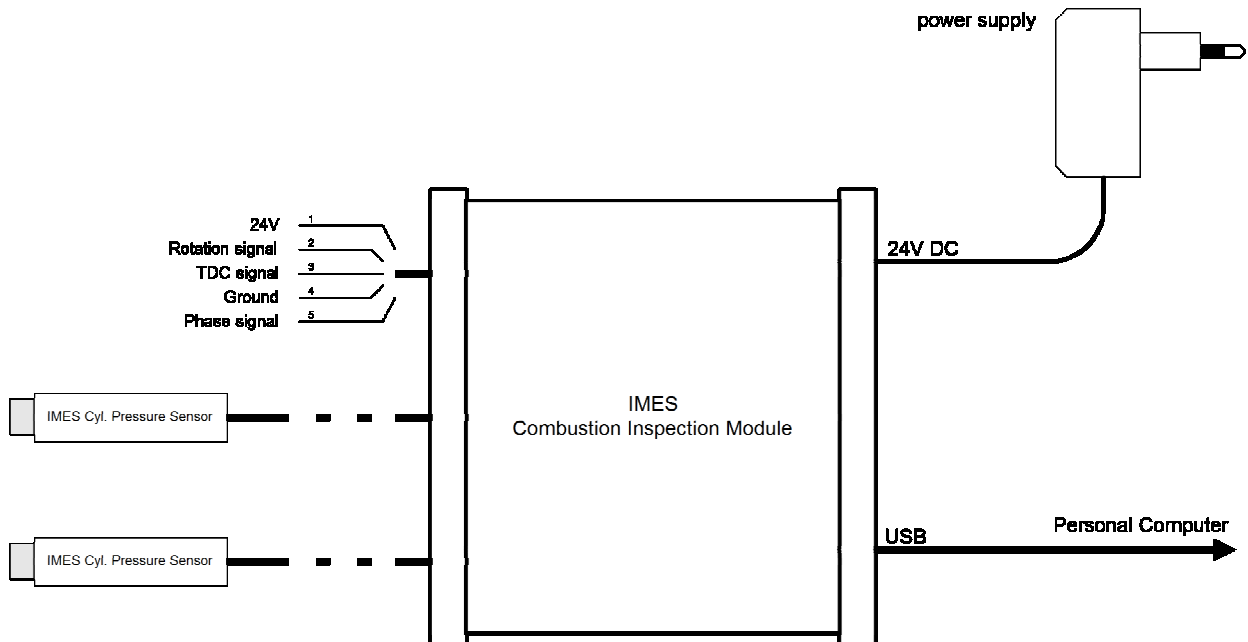
High speed cylinder pressure data acquisition for Diesel- and Gas engines

- Easy handling
- High resolution 0.1° CA
- High accuracy
- USB power supply for pressure sensors
- Compatible to all IMES sensors
- Designed for service engineers
- For operation with/without speed pulses



Application:

- 2 stroke engines: 20 ... 1000 RPM
- 4 stroke engines: 40 ... 2000 RPM



Systemlayout CIM

Technical-data CIM

Analogue input and resolution
2 analogue inputs for pressure 0 ... 24mA, max. sampling resolution 0,1°CA
A/D conversion resolution 16 bit
USB power supply for pressure sensors
Communication
CAN Interface up to 1 Mbit/s
USB 2.0 full speed (12MBit/s) for visualisation
Environmental conditions
Temperature max 70°C in operation
Humidity 80% condensation
Power supply for pulse signals
+24 VDC (18...32VDC)
Housing and weight
Dimension: 128 x 130 x 52 mm , Weight: 380 g

Scope of supply

CIM Combustion Inspection module incl. the following:

IW-4180

- Central unit incl. data acquisition module for two pressure signals
- incl. front panel with connectors for sensors and pulses
- incl. back panel with connectors for USB, - CAN bus and -24 VDC
- Firmware: resolution 0.1°CA of pressure signal
- Calculation per cylinder: Pmax, Ipower; IMEP
- Visualisation software incl. trend recording
- USB cable 1m

Option:

- Sensor connecting cable (5m)incl. M12 connectors IW-4185
- Optical pick-up sensor IW-1240
- Magnetic pick-up sensor IW-1239
- Sensor connecting cable for pick-up sensors (10 m) IW-4109
- 24 VDC AC-DC Adaptor (power supply 90...264 VAC) IW-4190
- (necessary if pulse sensor is connected)