

AutoChief® 600 RPME



KONGSBERG

Description

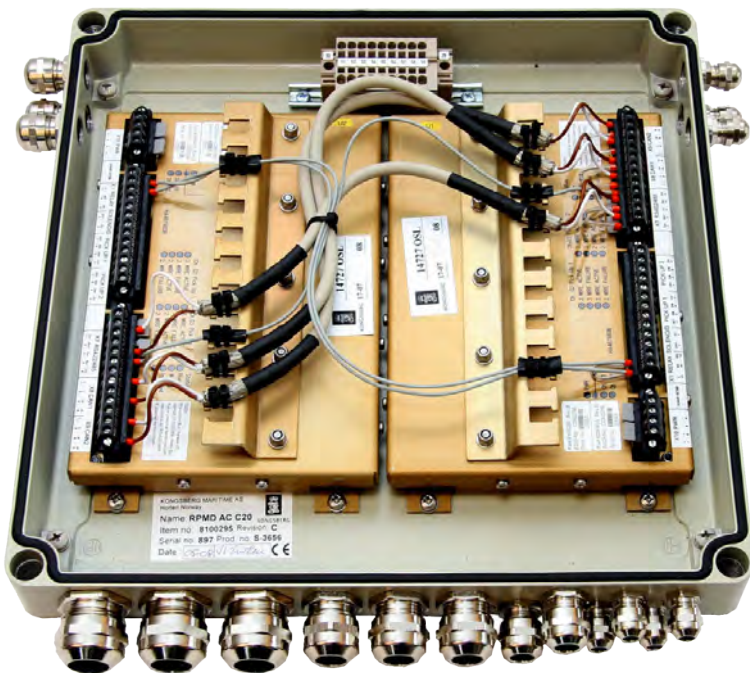
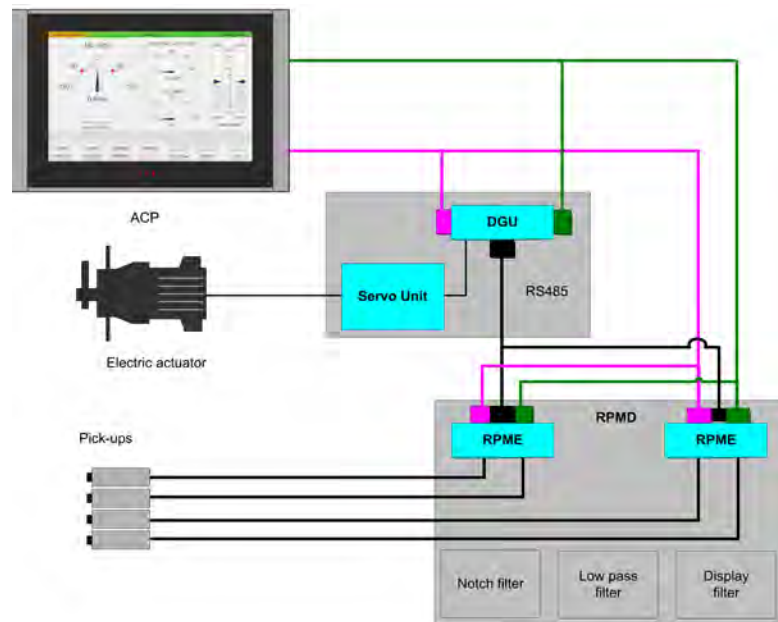
The AutoChief®600 is equipped with two independent RPM measurement systems. These systems will at all times ensure correct reading of RPM pickups mounted on the flywheel and give an alarm in case of irregularities.

The AutoChief®600 governor system receives the engine actual RPM from the AutoChief®600 RPM detection system on a direct serial communication line RS485, and as back-up for the dual AutoChief®600 CAN communication lines.

There is an RPM Detector page on the ACP to observe status on the individual pick-ups, providing details for inspection and diagnostics purposes.

Features

- Scaled in technical units
- Limit check
- Alarm and monitoring for all channels
- Trend
- Time stamp of alarms and events (0.001 seconds)
- Built In Self Test (BIST)
- CAN net status, error handling



Technical specifications

Supply voltage

- 18 - 32 VDC

Power consumption

- 6W (+ solenoid power)

Operating temperature

- -15°C to +70°C

Storage temperature

- -25°C to +70°C

Max rel. Humidity

- 96% non-condensing

IP Code

- IP20

ENV properties

- IACS E10
- IEC 60945

Vibration

- 4 G

Weight of unit

- 0.7 kg

Mounting

- Screws (4 pcs M4)

Connections, pluggable screw terminals

- I/O 3 terminals 2.5mm2
- Power 4 terminals 2.5mm2
- CAN bus 4 terminals 2.5mm2

Signal types

- Digital Output (relay)
All outputs max. 3 Amps
230VAC/32VDC
Max inductive load Cos(φ)=0.5
- Digital out solenoid
24VDC max 500 mA
- Pickup input
20 or 3wire UPN pickup

Communication interfaces

- 2 CAN ports for communication with host.

Isolation

- Power: Isolated/floating from module chassis.
- CAN: Individually isolated.

BIST (Built In Self Test)

- Module temperature

Type Approval

- DNV, LRS, BV, GL, RINA, NK, ABS, KR, RMR, CCS
(allows direct mounting on engines, compressors, etc. in suitable cabinets)

Part number

- 8100289 (RPME)
- 8100295 (RPM D)

