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GMSWIN DOCUMENTS

The following documents describes how to handle the Panel-PC with the GmsWin program.

1 GmsWin30 Manual EN

Current revision: May 30, 2017.

A general description on how the program operates. This is a common manual for all types of measuring systems. There are references in the manual to the documents below.

2 GmsWin30 Ags Service EN

Current revision: May 30, 2017.

Describes the aspects and how to do an AGS calibration and how to handle the AGS service from the Panel-PC.

3 GmsWin30 Service Panel EN

Current revision: May 30, 2017.

Describes the service module for the GMS/RMS measuring system.

4 GmsWin30 Filecopy EN

Current revision: May 30, 2017.

A short manual how to retrieve log files to your USB memory stick.

5 Abbreviations

ACM – AGS Control Module. Acts as a link between the AGS (Adjustable Gap Sensor) and the CAN-interface.

AGS - Adjustable Gap Sensor. A TDC sensor with moveable tip which can be moved forward and backwards for calibration.

APO – AGS Position. A signal for the position of the tip in a AGS sensor. It is zero when the tip is in level with the stator segment. The signal is increased when the tip is moved towards the rotor and decreased when it is behind the segment edge.

CAN – Control Area Network. The CAN fieldbus is used for signal interchange between the units in the GMS or RMS system and the AGS sensor.

CEC - CAN to Ethernet Converter. A unit used to convert the Ethernet data to the CAN-bus connecting the GMS/RMS units.

DCA – Disc Clearance Amplifier. Measurement module for the plate gap together with the TDC sensor. The card is used in the RMS systems.

DCM – Disc Clearance Module. Measurement module for the plate gap and plate gap temperature. The module is used in the GMS systems.

DTM – Disc Temperature Monitor. The plate gap temperature measured inside in the plate gap with a TDC- or AGS sensor.

GMS – Gap Monitoring System. A measurement system for measure and presentation of the signals in a refiner, e.g. the plate gap and plate gap temperature.

HPM – Hydraulic Pressure. A signal for hydraulic pressure for positioning of the stator in a Twin-60 refiner.

RPO – Rotor Position. A signal for the rotor axial position. (for LC refiners).

TED – Touchpoint Electric Detector. Measures the electrical resistance between the AGS tip and the rotor surface. Used to detect the touchpoint.

TDC - True Disc Clearance. Plate gap measured with a sensor placed in level with the stator segment.

TVD – Touch point Vibration Detector. A measure on the touch point signal between the disc plates. The signal is used to define the zero position (plate gap = 0) and is the basis of the zero calibration of a TDC- or AGS sensor.

UDP – User Datagram Protocol. A connection less protocol for transferring of individual packets over IP.

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