VS Sensorik

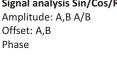# HCU500 mobile Diagnostics- and Calibration Unit for Gearwheel Encoders

- Signal analysis of analogue Sin/Cos encoder
- Gearwheel analysis (radial run out, tooth defects)
- Documentation (Service, QA)
- Configuration of self calibration data & modes
- Access encoder memory: electronic identification plate, monitoring data, operating hours counter, encoder specific comments

TOUCH

USB

Signal analysis Sin/Cos/Ref
Amplitude: A,B A/B
Offset: A,B
Phase

Data storage
Store/retrieve
encoder memory
signal values

Tachometer
Display current
speed

Gearwheel analysis
Number of teeth
Radial run-out
Tooth defects

Encoder memory
Electronic identification plate
Spindle parameters
Customer specific comments

Encoder Settings
Configure self-
calibration
data & modes
Config. AGC

HCU Settings
Time until stand-by
Time until shutoff

Monitoring
Operating hours counter
Speed histogram

Help Menu

HCU500 Mobile Diagnostics- and Calibration Unit for Gearwheel Encoders

Robust enclosure
integrated
magnetic holder

Resistive Touch Display
useable with
gloves

Battery
Lifetime
up to 8h

USB
Charging,
data access

On/Off

Signal Input

The Mobile HCU500 Diagnostics- and Calibration Unit features a simple, user oriented operation concept designed for service calls.

- Operation via touchscreen
- Self explanatory icons
- Simple menu layout
- Up to 8h of battery life

The HCU500 analyses the signals from analogue Sin/Cos encoders in detail. Furthermore, evaluation of the quality of the encoder wheel (magnet- or gearwheel) is carried out.

The following functions, among others, can be used with the VS Sensorik AM series encoders (PuV interface).

- Access operating hours counter
- Access monitoring data
- Access deposited additional information
- Configuration of self calibration data & mode
- Initiate self calibration

The recorded signal values and the encoder parameters can be used for quality assurance and can be imported to a PC via the integrated USB interface.

A magnet is integrated into the robust enclosure of the HCU, thus being easily attachable to a machine.

Delivery Contents:
HCU500 hand held calibration unit, USB power supply, USB Mini cable, Connector cable M23/17P, Hardcover

Available Acccesories:
Connector cable HCU / M23/12P
Connector cable HCU / D-Sub 25P