**VCD-020A**

Dual-Channel Digital Displacement Converter

(Non-contact Eddy Current Type)

- Easy to change the target material with calibration software installed in a PC connected with USB cable
- High accuracy with digital processing
- Output voltage can be adjusted within ±5 V quantum vis (Standard calibration: 0 to 5 VDC)
- 2 CH Inputs, 4 CH Outputs (Each CH, added and subtracted outputs)
- Two sensors can be installed close each other without interference beat noise
- Small size and light weight

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**Specifications**

- **Name plate**
  - **Model Code No.:**
  - **Dimensions:**

- **Sensor**
  - **Model Code No.:**
  - **Dimensions:**

- **Converter**
  - **Model Code No.:**
  - **Dimensions:**

- **Extension cable**
  - **Model Code No.:**
  - **Dimensions:**

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**Contact to**

SHINKAWA Electric Co., Ltd.
201-11, Minamisatoshita, Naka-ku, Fukuoka-shi, Fukuoka-ken, 815-8535, Japan
Phone: +81-92-608-4417 | Fax: +81-92-608-2171
WEB: http://www.shinkawa-elec.co.jp

SEC of America Inc.
6331 Beach Circle Blvd, Ste 4, Coral Gables, FL 33146, USA
Phone: +1-305-376-0224 | Fax: +1-305-376-5246
http://www.senzone.com

SHINKAWA Sensor Technology, Inc.
1-3-15, Higashi-Matsusaka, Higashimatsusaka-shi, 784-0152, Japan
Phone: +81-572-35-2000 | Fax: +81-572-35-2020
http://www.shinkawa-sensor.com

*Published in Aug., 2009*

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High accuracy and flexibility with digital processing and dual-channel

- Easy to change the target material
- High accuracy with digital processing
- Adjustable output voltage quantum via the calibration software
- Can be configured with only one VCD displacement converter for distinctive applications

Example for distinctive application

- Can be configured with only one VCD displacement converter for the distinctive applications which calls for two units of single channel displacement converter and external adder and/or subtractor.

Example for general application

- Vibration & axial position measurement of rotor
- Pipe diameter & circularity measurement
- Other than above, can be used for various applications such as measurements of behavior and vibration of the objects, and positioning, and so on.

System configuration

The displacement converter system consists of the VS sensors, the VW extension cables and the VCD converter.

Example for VCD-020A

- Metal thickness measurement
- High accuracy position measurement with differential sensing (Example: Position control of the whetstone of the grinder)

Reliability based on excellent temperature characteristics

VCD series systems guarantee consistent measurements even in the harsh environments of industrial plants, where temperatures are never stable. Sensors are exposed to the severest conditions among system components: VCD series use the VS sensors made of carefully selected materials to stringent quality control requirements, resulting in a temperature coefficient as low as ±0.015% of F.S./°C (typical value).

Example for VCD-020A

- Sensor
- Converter
- Calibration software

Software display for calibration

- Calibration data collection
- Calibration data download
- Display of measurement value

Example for distinctive applications

- Can be configured with only one VCD displacement converter for the distinctive applications which calls for two units of single channel displacement converter and external adder and/or subtractor.

Example for distinctive application

- Metal thickness measurement
- High accuracy position measurement with differential sensing (Example: Position control of the whetstone of the grinder)

Reliability based on excellent temperature characteristics