



INDUCTIVE SENSORS

# ANALOG OUTPUT

ANALOG OUTPUT FOR  
DISTANCE CONTROL

# INDUCTIVE SENSORS



## HIGHLIGHTS

- Longest sensing ranges
- Best temperature stability
- Excellent repeat accuracy
- Resolution in  $\mu\text{m}$  range
- Current or voltage output

## INDUSTRIES

Machine tool, packaging, logistics, materials handling, textile, printing, metal sorting, quality control, vibration monitoring



# ANALOG OUTPUT

## LONG SENSING RANGES

ACCURATE DETECTION OF TARGET MOVEMENTS

- ✱ Long-range distance measurement for moving targets
- ✱ Reliable detection of even the smallest objects due to high sensitivity
- ✱ No blind zone



## BEST ACCURACY

THE MOST PRECISE SENSOR ON THE MARKET

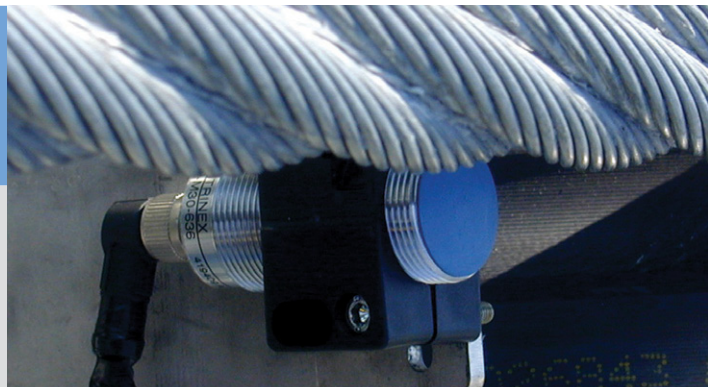
- ✱ Recognition of minimal variations due to excellent repeatability
- ✱ Detection of slightest movements thanks to resolution in  $\mu\text{m}$  range
- ✱ Reliable process and position monitoring



## OUTSTANDING TEMPERATURE STABILITY

PRECISE SIGNAL REGARDLESS OF ENVIRONMENTAL CONDITIONS

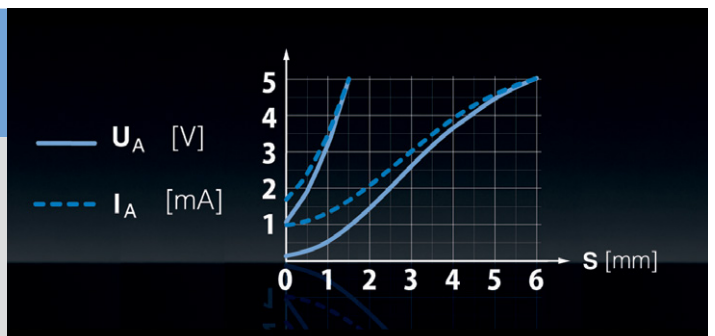
- ✱ Temperature range from  $-25^{\circ}\text{C}$  ...  $+70^{\circ}\text{C}$  ( $-13^{\circ}\text{F}$  ...  $+158^{\circ}\text{F}$ )
- ✱ Minimal temperature drift



## TECHNICAL VALUES

A FULL RANGE OF HIGH PRECISION ANALOG SENSORS

- ✱ Sizes from M8 to M30
- ✱ Rated operating distances from 0–4 mm to 0–40 mm
- ✱ Voltage and current output in one device



## ANALOG OUTPUT

A SIMPLE SOLUTION FOR MANY TASKS


- ✱ Vibration and concentric monitoring
- ✱ Quality control
- ✱ Exact positioning
- ✱ Controlled end-position approach



# SELECTION OF PRODUCTS

| PART REFERENCE    | ART. N°.    | HOUSING SIZE | SENSING RANGE | MOUNTING         | CONNECTION*         |
|-------------------|-------------|--------------|---------------|------------------|---------------------|
| DW-AD-509-M8      | 330-020-356 | M8           | 4 mm          | Quasi-embeddable | PUR cable 3-wire    |
| DW-AD-509-M8-390  | 330-020-357 | M8           | 4 mm          | Quasi-embeddable | PUR cable 3-wire    |
| DW-AS-509-M8-001  | 330-020-358 | M8           | 4 mm          | Quasi-embeddable | Connector M8 3-pin  |
| DW-AS-509-M8-390  | 330-020-359 | M8           | 4 mm          | Quasi-embeddable | Connector M8 3-pin  |
| DW-AS-509-M8-393  | 330-020-361 | M8           | 4 mm          | Quasi-embeddable | Connector M12 4-pin |
| DW-AD-509-C8-390  | 330-020-350 | 8 × 8 (C8)   | 4 mm          | Quasi-embeddable | PUR cable 3-wire    |
| DW-AS-509-C8-390  | 330-020-355 | 8 × 8 (C8)   | 4 mm          | Quasi-embeddable | Connector M8 3-pin  |
| DW-AS-509-M12     | 330-020-370 | M12          | 6 mm          | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-509-M12-120 | 330-020-371 | M12          | 6 mm          | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-509-M12-320 | 330-020-372 | M12          | 6 mm          | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-509-M12-390 | 330-020-373 | M12          | 6 mm          | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-509-M18-002 | 330-020-393 | M18          | 10 mm         | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-509-M18-120 | 330-020-394 | M18          | 10 mm         | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-519-M18-002 | 330-020-397 | M18          | 20 mm         | Non-embeddable   | Connector M12 4-pin |
| DW-AS-519-M18-120 | 330-020-398 | M18          | 20 mm         | Non-embeddable   | Connector M12 4-pin |
| DW-AS-509-M30-002 | 330-020-444 | M30          | 20 mm         | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-509-M30-120 | 330-020-445 | M30          | 20 mm         | Quasi-embeddable | Connector M12 4-pin |
| DW-AS-519-M30-002 | 330-020-498 | M30          | 40 mm         | Non-embeddable   | Connector M12 4-pin |
| DW-AS-519-M30-120 | 330-020-459 | M30          | 40 mm         | Non-embeddable   | Connector M12 4-pin |

\* Other output versions and cable versions also available

| MOUNTING CLAMPS | PART REFERENCE  | ART. N°.     | TYPE        | FOR SENSOR SIZE    |     |
|-----------------|---|--------------|-------------|--------------------|-----|
|                 |  | ASU-0001-080 | 606-000-005 | without limit stop | M8  |
|                 |   | ASU-0001-120 | 606-000-007 | without limit stop | M12 |
|                 |   | ASU-0001-180 | 606-000-009 | without limit stop | M18 |
|                 |   | ASU-0001-300 | 606-000-011 | without limit stop | M30 |

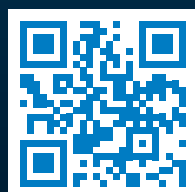
| CONNECTING CABLES** | PART REFERENCE | ART. N°.    | SIZE | PINS | CONFIG.     | MATERIAL | LENGTH |
|---------------------|----------------|-------------|------|------|-------------|----------|--------|
|                     | S08-3FVG-020   | 623-100-102 | M8   | 3    | straight    | PVC      | 2 m    |
|                     | S08-3FVW-020   | 623-100-101 | M8   | 3    | right angle | PVC      | 2 m    |
|                     | S12-4FVG-020   | 623-100-030 | M12  | 4    | straight    | PVC      | 2 m    |
|                     | S12-4FVW-020   | 623-100-031 | M12  | 4    | right angle | PVC      | 2 m    |

\*\*More references available

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## HEADQUARTERS

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