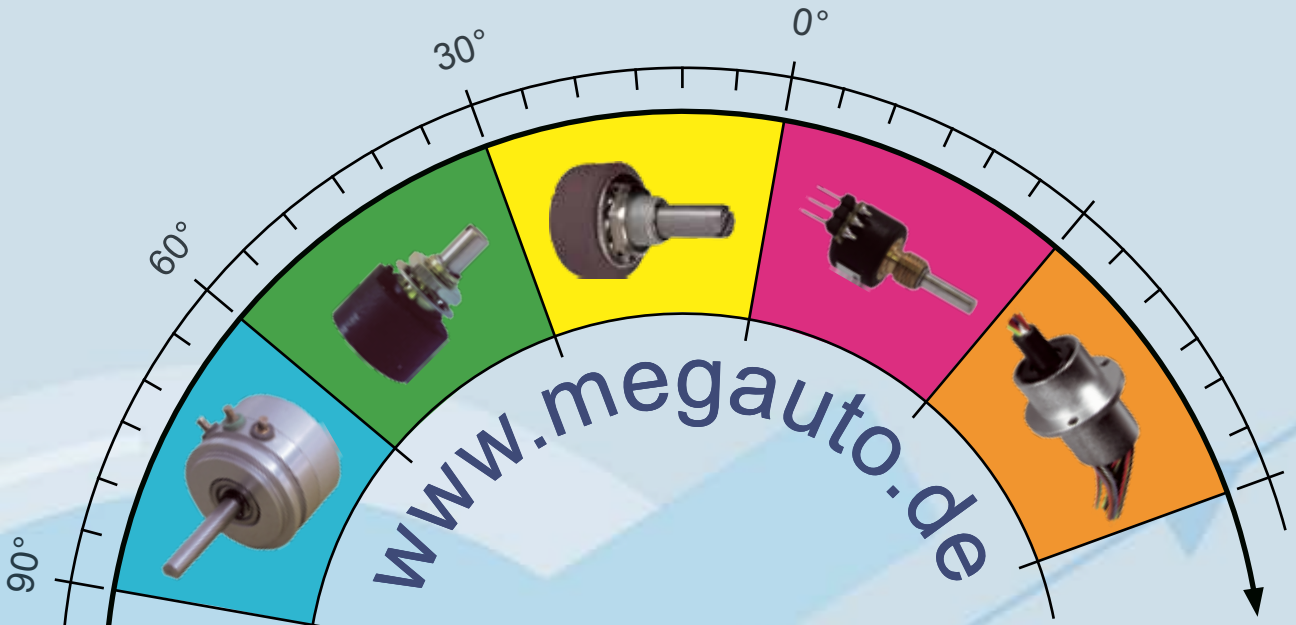
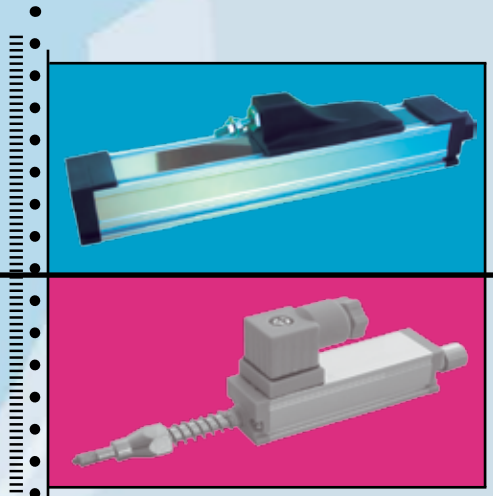
MegAuto Angular & Linear Preset & Position Sensors



ANGLE

RotaSet® - RotaSense®

- Industrial Potentiometers
- Wirewound / Conductive plastic
- Servo
- Sliprings
- Knobs, Dials, Couplings



DISTANCE

LinoSense - StepFoil

Linear Motion Sensor

- Potentiometric
- Magnetostrictive
- Foil Potentiometer

MEGAUTO Economy Line

MEGAUTO Economy Line

Wirewound resistive element

Conductive plastic resistive element

Magnetostrictive linear motion sensor

Signal & position feedback

Manual setting devices

Linear motion control & measuement

Output signal active or passive, current or voltage

Output signal analog and/or digital

ROTASET - Setting Devices

R22W/WC

- 22 mm single turn precision potentiometer with bushing, wirewound
- R22W with endstop / R22WC 360° without endstop

Available options
- Special mechanical & electrical angle
- Special shaft IP64 O-Ring
- Rear shaft extension
- Center tap, 2-4 sections

Application:
Manual setting & rotational feedback device

www.megauto.de/en/r22w

Resistance range	(Ω)	10 ...1k...10k...
Resistance tolerance	(%)	± 5
Linearity tolerance	(%)	± 1
Power rating	(Watt)	1,5
Effective electr. Angle	(°)	320 ±5
Mechanical angle	(°)	360 (320 ±5 Endstop)
Rotational life	(rotations)	400.000
Temperature range	(°c)	-55°C to +105°C

R25W/WC

- 25 mm single turn precision potentiometer with bushing, wirewound
- Electrical angle 270°

Available options:
- Special resistance value
- IP64, cable/connector

Application:
Very economical preset device with a good resolution & rotational life for industrial use.

www.megauto.de/en/r25w

Resistance range	(Ω)	50 ...1k...20k
Resistance tolerance	(%)	± 10
Linearity tolerance	(%)	± 5
Power rating	(Watt)	2
Effective electr. angle	(°)	270 ±5
Mechanical angle	(°)	360 (270 ±5 Endstop)
Rotational life	(rotations)	100.000
Temperature range	(°c)	-50°C to+85°C

MRT25-WLC

- 25 mm single turn precision potentiometer with bushing, wirewound
- Antirotation pin, robust construction, with and without endstop

Available options:
- Special resistance value
- Special shaft shape

Application:
These robust potentiometer can be used for manual control, for presetting and adjustment.

www.megauto.de/en/mrt

Resistance range	(Ω)	10 ...1k...10k...
Resistance tolerance	(%)	± 10
Linearity tolerance	(%)	± 1,5
Power rating	(Watt)	1,5
Effective electr. angle	(°)	340 (320 ±5 Endstop)
Mechanical angle	(°)	320 ±5 / 360
Rotational life	(rotations)	150.000
Temperature range	(°c)	-50°C to +105°C

ROTASET - Setting Devices

R40W/WC

- 40 mm single turn precision potentiometer with bushing, wirewound
- Power rating 3 watt, special torque

Available options:
- Special resistance values
- Ip64 protection
- Special shaft shape

Application:
Precision potentiometer for medium range and universal applications

www.megauto.de/en/r40w

Resistance range (Ω)	50...1k...20k...
Resistance tolerance (%)	± 10
Linearity tolerance (%)	± 5
Power rating (Watt)	3
Effective electr. angle (°)	270 ±5
Mechanical angle (°)	360 (285 ±5 Endstop)
Rotational life (rotations)	100.000
Temperature range (°c)	-50°C to +105°C

R-SPC

- 22 mm 10 turn precision potentiometer with bushing, wirewound
- Electrical angle 3600°, shaft diameter 6mm

High resolution setting device

Application:
The R-SPC are extremely cost effective, they have a robust and sophisticated construction and are used as a setting device in control panels.

www.megauto.de/en/rspc

Resistance range (Ω)	100...1k...50k
Resistance tolerance (%)	± 5
Linearity tolerance (%)	± 0,5
Power rating (Watt)	2
Effective electr. angle (°)	3600 ±10
Mechanical angle (°)	3600
Rotational life (rotations)	500.000
Temperature range (°c)	-35°C to +105°C

R22M

- 22 mm 10 multiturn potentiometer with bushing, wirewound
- Electrical angle 3600°, shaft diameter 4mm

High resolution setting device

Application:
R22M has a robust design, is very cost effective and in combination with an additio-nal multiturn dial it can be used in industrial applications.

www.megauto.de/en/r22m

Resistance range (Ω)	100...1k...50k
Resistance tolerance (%)	± 5
Linearity tolerance (%)	± 0,5
Power rating (Watt)	2
Effective electr. angle (°)	3600 ±10
Mechanical angle (°)	3600
Rotational life (rotations)	200.000
Temperature range (°c)	-35°C to +105°C

ACCESSORIES - Multiturn Dials

RLD22-15

- RLD22-15 metal-/plastic version15 turns
- RCD22-10 metall-/plastic version 10 turns

RCD22-10

RLD22-15		RCD22-10
15 (0 - 14.99)	Number of turns	10 (0 - 9.99)
100/rotation	Resolution/incremental	100/rotations
2 - 6mm	Front panel thickness	2 - 6mm
4mm, 6mm, 6,35mm	Shaft diameter	4mm, 6mm, 6,35mm
9,65mm	Nut space	9,65mm
Brakes	Lock system	Brakes

www.megauto.de/en/rld22

www.megauto.de/en/rcd22

ROTASET - Setting Device

R12P/PC

- 12 mm single turn precision potentiometer with bushing, conductive plastic
- Miniature design, 300° electrical angle (300° continous)

Available options:
- Special resistance value
- Special electrical angle
- Special shaft shape / O - ring

Application:
High resolution, suitable as a trimmer, and manual adjuster.

www.megauto.de/en/r21p

Resistance range (Ω)	1k...10k...100k
Resistance tolerance (%)	20
Linearity tolerance (%)	±5
Power rating (Watt)	0,5
Effective electr. angle(°)	300 ±5
Mechanical angle (°)	360 (320 ±10 Endstop)
Rotational life (rotations)	500.000
Temperature range (°c)	-50°C to +105°C

ROTASET - Setting Device

R21P/PC

- 21 mm single turn precision potentiometer with bushing, conductive plastic
- Miniature design, 300° electrical angle (300° continous)

Available options:
- Special resistance value
- Rear shaft extension
- Tandem Version

Application:
Used as a setting element and feedback system as well as sensor

www.megauto.de/en/r21p

Resistance range (Ω)	1k...10k...100k
Resistance tolerance (%)	20%
Linearity tolerance (%)	± 1,5
Power rating (Watt)	1
Effective electr. angle(°)	320 ±5
Mechanical angle (°)	360 (330 ±10 Endstop)
Rotational life (rotations)	3.000.000
Temperature range (°c)	-50°C to +105°C

R22P/PC

- 22 mm single turn precision potentiometer with bushing, conductive plastic
- Metal housing, 320° electrical angle (300° continous)

Available options:
- Special resistance value / electr. angle
- Special shaft shape/ IP64 protection
- Double wiper/center tap

Application:
Used as a setting element and feedback system as well as sensor

www.megauto.de/en/r22p

Resistance range (Ω)	1k...10k...100k
Resistance tolerance (%)	± 20
Linearity tolerance (%)	± 1,5
Power rating (Watt)	1
Effective electr. angle(°)	320 ±5
Mechanical angle (°)	360 (340 ±5 Endstop)
Rotational life (rotations)	3.000.000
Temperature range (°c)	-55°C to +105°C

R23P/PC

- 23 mm single turn precision potentiometer with bushing, conductive plastic
- 3 Million shaft revolution, 320° electrical angle (300° continous)

Available options:
- Special resistance value / electr. angle
- Special shaft shape / IP64 protection
- Special tolerances

Application:
Used as a high resolution feedback sensor for industrial application

www.megauto.de/en/r23p

Resistance range (Ω)	1k...10k...100k
Resistance tolerance (%)	± 20
Linearity tolerance (%)	± 1,5
Power rating (Watt)	1
Effective electr. angle (°)	320 ±5 / 320
Mechanical angle (°)	360 (330 ±5 Endstop)
Rotational life (rotations)	3.000.000
Temperature range (°c)	-55°C to +105°C

RH24PC

- 24 and 32 hollow shaft potentiometer, conductive plastic
- 2 Million shaft revolution, optional mounting frame

Available options:
- Special resistance value
- Special tolerances
- Soldering pins/wires

Application: Universally use by space-saving design and coupling

www.megauto.de/en/rh24
www.megauto.de/en/rh32

Resistance range (Ω)	1kΩ - to 100kΩ
Resistance tolerance (%)	± 20
Linearity tolerance (%)	± 1,5
Power rating (Watt)	0,5 / 1-(RH32)
Effective electr. angle (°)	340 ±5
Mechanical angle (°)	360
Rotational life (rotations)	2.000.000
Temperature range (°c)	-55°C to +105°C

RH32PC

ROTASENSE - Sensor Element

RS12P/PC

- 12 mm single turn potentiometer metal housing, conductive plastic
- 320° Electrical angle (360° continous), with threadings

Available Options:
- Special resistance value
- IP65 Protection
- Special electrical angle

Application:
Because of their compact size and IP65 protection suitable for industrial applications.

www.megauto.de/en/rs12

Resistance range (Ω)	1k, 5k, 10k - to 100k
Resistance tolerance (%)	± 20
Linearity tolerance (%)	± 5
Power rating (Watt)	0,5
Effective electr. angle (°)	300 ±5
Mechanical angle (°)	360 (320 ±10 Endstop)
Rotational life (rotations)	1.500 000
Temperature range (°c)	-50°C to 105°C

ROTASENSE - Sensor Element

RS22P/PC

- 22 mm single turn potentiometer metal housing, conductive plastic
- 340° Electrical angle (360° continous)

Available Options:
- Special resistance value
- Special electrical angle
- Special shaft lengths and forms

Application:
Because of their compact size and rotational life suitable for industrial applications.

www.megauto.de/en/rs22

Resistance range (Ω)	1k, 5k, 10k...100k
Resistance tolerance (%)	± 20
Linearity tolerance (%)	± 1,5
Power rating (Watt)	1
Effective electr. angle (°)	340 ±5
Mechanical angle (°)	360
Rotational life (rotations)	4.000 000
Temperature range (°c)	-50°C to 105°C

RSS22

- 22 mm single turn potentiometer
- 20 Million shaft rotations, 320° electrical angle

Resistance range (Ω)	1kΩ, 5kΩ
Resistance tolerance (%)	± 15
Linearity tolerance (%)	± 1; ± 0,5
Power rating (Watt)	0,5
Effective electr. angle (°)	320 ±4
Mechanical angle (°)	360
Rotatioanl life (rotations)	15.000.000
Temperature range (°c)	-50°C to 105°C

Sensor with high durability for flange mounting as the adjuster or the position detection in devices and machines. Mechanical and electrical modifications are available

www.megauto.de/en/rss22

2RSS22

RSB27

- 27 mm single turn precision potentiometer with bushing, conductive plastic
- Medium size, 300° electrical angle (300° continous)

This sensor has a threaded socket M10x0,75 and can be used as precision panel device. An optional modification is an axis screwdriver slot at the rear side of the shaft for the adjustment with a screw driver in mounted condition. Good alternative to expensive precision potentiometer.

www.megauto.de/en/rsb27

Resistance range (Ω)	1kΩ to 5kΩ
Resistance tolerance (%)	± 15
Linearity tolerance (%)	± 1; ± 0,5
Power rating (Watt)	0,5
Effective electr. angle (°)	90, 180, 320
Mechanical angle (°)	360
Rotational life (rotations)	15.000 000
Temperature range (°c)	-50°C to +105°C

RSS36

- 36 mm precision potentiometer
- 30 Million shaft rotations, 345° electrical angle

Resistance range (Ω)	1kΩ to 10kΩ
Resistance tolerance (%)	± 15
Linearity tolerance (%)	±1; ±0,5; ± 0,1
Power rating (Watt)	2
Effective electr. angle (°)	345 ±4
Mechanical angle (°)	360
Rotational life (rotations)	30.000.000
Temperature range (°c)	-55°C to 125°C

Flange 36 is one of the cheapest sensors of this kind. Precision conductive plastic guarantee a long life. It is suitable for applications like mechanical engineering and automation technology

www.megauto.de/en/rss36

2RSS36RA

RSS45

- 45/50 mm precision potentiometer, rss50
- 30 Million shaft revolution, 350° electrical angle

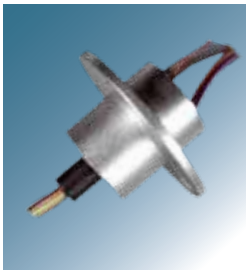
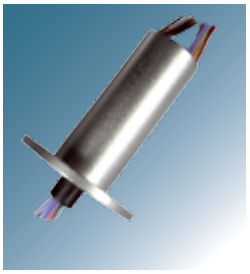
Resistance range (Ω)	1kΩ to 5kΩ
Resistancetolerance (%)	± 15%
Linearitytolerance (%)	±0,5; ±0,1; ±0,01
Power rating (Watt)	2
Effective electr. angle(°)	345° ±5°
Mechanical angle (°)	360°
Rotational life (rotations)	30.000.000
Temperature range	-55°C to 125°C

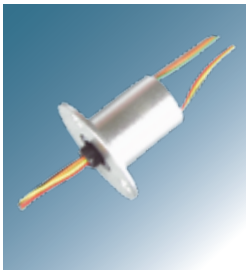
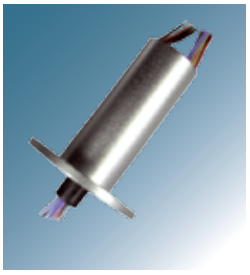
Universal sensor for angle detection. Special shaft, front and rear lengths are possible, including special electrical angle of 90 ° and 180 °, special tolerances are also optional available.

www.megauto.de/en/rss45
www.megauto.de/en/rss50

RSS50

SLIPRINGS - Transmission of analog and digital signals

CA6X5AL 6 Rings	CA12X4AL 12 Rings	CA - 22mm Serie Sliprings encapsulated		CA18X4AL 18 Rings	CA24X4AL 24 Rings
		Rotational speed	250 rpm		
		Current	2A/Ring		
		Voltage	240 VAC/DC		
		Operational life	80 Mio.		
		Mech. rotat. angle	360°		
		Temperat. range	-40°C a 85°C		
		Protection	IP54		

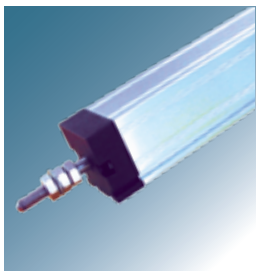
MI6X1AL 6 Rings	MI12X4AL 12 Rings	MI - 15mm Serie Miniature Sliprings		MI24X1AL 24 Rings
		Rotational speed	250 rpm	
		Current	2A/Ring	
		Voltage	240 VAC/DC	
		Operational life	80 Mio.	
		Mech. rotational angle	360°	
		Temperature range	-40°C a 85°C	
		Protection	IP54	

Sliprings are used in electrical - mechanical systems where a uninterruptible current or signal transmission from a static to an rotating object has to be to proceeded. The encapsulated sliprings are integrated into a metal housing, this avoids the influence of interferences. Special wipers are sliding on a track, wiper and track are formed to fit perfectly into each other. This construction enlarges the contact surface , reduces current noises and improves the life time performances.

CA6X5AL	www.megauto.de/en/ca6
CA12X4AL	www.megauto.de/en/ ca12
CA18X4AL	www.megauto.de/en/ca18
CA24X4AL	www.megauto.de/en/ca24
MI6X1AL	www.megauto.de/en/mi6
MI12X4AL	www.megauto.de/en/mi12
MI24X1AL	www.megauto.de/en/mi24

LSC

- Linearer displacement sensor in robust 40x40 mm housing
- Optional with analog „B“ and digital „M“ electronic



Integrated microcontroller system:

- LSCB/M
- Voltage & current output, type „B“
- Digital output (RS232, TTL), type „M“
- Factory set options: zooming, zero point calibration, limit switch function...
- Plug or cable connection

www.megauto.de/en/lsc

Electrical distance	50 - 900mm
Resolution	infinite
Linearity tolerance	±0,1%
Repeatability	(typ.) 25µm
Current consumption	3 - 10 Watt
Life (rotations)	25 Mio.
Operating speed	4m/s (max.)
Resistance value	5kΩ/10kΩ

LSR

- Linearer displacement sensor in round, 40 mm alumina housing
- Optional with analog „B“ and digital „M“ electronic

Integrated microcontroller system:

- LSRB/M
- Voltage & current output, type „B“
- Digital output (RS232, TTL), type „M“
- Factory set options: zooming, zero point calibration, limit switch function...
- Plug or cable connection

www.megauto.de/en/lsr

Electrical distance	50 - 900mm
Resolution	infinite
Linearity tolerance	±0,1%
Repeatability	(typ.) 25µm
Current consumption	3 - 10 Watt
Life (rotations)	30 Mio.
Operating speed	4m/s (max.)
Resistance value	5kΩ/10kΩ

LINOSENSE - Displacement Sensor with microcontroller processes signal conditioning

LSO

- Linearer displacement sensor in robust housing
- Optional with analog „B“ and digital „M“ electronic

Integrated microcontroller system:

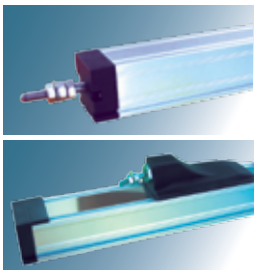
- LSOB/M
- Voltage & current output, type „B“
- Digital output (RS232, TTL), type „M“
- Factory set options: zooming, zero point calibration, limit switch function...
- Plug or cable connection

www.megauto.de/en/lso

Electrical distance	50 - 900mm
Resolution	infinite
Linearity tolerance	±0,1%
Repeatability	(typ.) 25µm
Current consumption	3 - 10 Watt
Life (rotations)	30 Mio.
Operating speed	4m/s (max.)
Resistance value	5kΩ/10kΩ

SSC/SSO

- Linearer transducer, magnetostrictive (contactless measurement)
- Especially vibration proofed, with digital optional electronic „M“



Integrated microcontroller system:

- SSOM, SSCM
- Voltage & current output (possible)
- Digital output (RS232, TTL), type „M“
- Zooming, zero point calibration, limit switch...
- Plug or cable connection

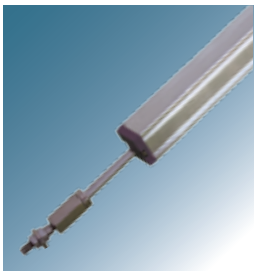
No longer available

www.megauto.de/en/ssc
www.megauto.de/en/sso

Electrical distance	50 - 250mm
Resolution	infinite
Linearity tolerance	±0,1%
Repeatability	(typ.) 25µm
Current consumption	3 - 10 Watt
Life (rotations)	50 Mio. (typ.)
Operating Speed	5m/s (max.)
Resistance Value	2kΩ

MTI

- 18 x 18mm Linear displacement sensor, compact, space-saving size
- Optional analog „B“ and digital „M“ electronic



Integrated microcontroller system:

- MTIB, MTIM
- Voltage & current output, type „B“
- Digital output (RS232, TTL), type „M“
- Factory set options: zooming, zero point calibration, limit switch function...
- Plug or cable connection

www.megauto.de/en/mti

Electrical distance	10 - 450mm
Resolution	> ±0,1mm
Linearity tolerance	±0,15%
Repeatability	(typ.) 25µm
Current consumption	3 - 10 Watt
Life (rotations)	40 Mio. (typ.)
Operating Speed	5m/s (max.)
Resistance Value	1kΩ/5kΩ

MTR

- 18 x 18mm Linear displacement sensor, preloaded spring return
- Optional analog „B“ and digital „M“ electronic

Integrated microcontroller system:

- MTRB, MTRM
- Voltage & current output, type „B“
- Digital output (RS232, TTL), type „M“
- Factory set options: zooming, zero point calibration, limit switch function...
- Plug or cable connection

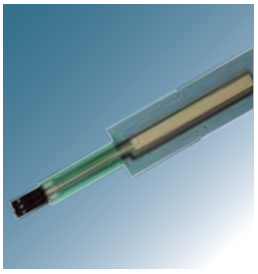
www.megauto.de/en/mtr

Electrical distance	10 - 50mm
Resolution	> ±0,1mm
Linearity tolerance	±0,15%
Repeatability	(typ.) 25µm
Current consumption	3 - 10 Watt
Life (rotations)	40 Mio. (typ.)
Operating Speed	5m/s (max.)
Resistance Value	1kΩ/5kΩ

STEPFOIL - Position indicator for simple position measuring

LSF

- Potentiometric linear tranducer
- Version with spring loaded wiper and contact-free version with magnet



Available Options:

- Flexible foil with preloaded slider
- FR4 element with magnet for semi-contact-less measurement
- Other lengths and shapes on request

www.megauto.de/en/lsf

Electrical distance	50 - 500mm
Resolution	> 1mm
Linearity tolerance	> 2%
Current consumption	0,125 Watt
Life (rotations)	1 Mio (15 Mio. with Magnet)
Operating speed	0,1m/s (max.)
Resistance value	1,25kΩ - 12,5kΩ

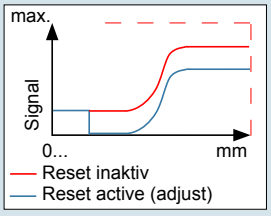
MEGAUTO Product Line

RotaSet® includes rotary manual setting devices and rotary position sensors for simple applications. Being very economical they meet industrial requirements without having exaggerated specifications. Single turn and multiturn potentiometer of the RotaSet family use proven designs and in most cases they meet industrial standards. Inspite new developments these components are still required because they offer best price performance ratio for standard applications. RotaSet types are available with many options and modifications even in small and medium quantities. Without modifications all models are normally available from stock in small to medium quantities. Wirewound rotaset potentiometers are very suitable for applications with higher wiper current and special resistance values, rotaset conductive plastic potentiometer are mainly used for position control applications where a long rotational life is required.

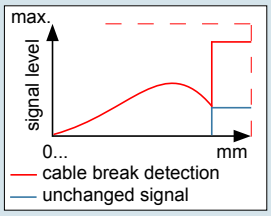
RotaSense® precision servo potentiometers corresponds fully to international standards. They are used for rotary position-feedback applications where a very long rotational life is required. Metal housings with ball bearings and stainless steel shafts, combined with excellent electrical data, make it suitable for any automation and control application. They meet international standardised dimensions and are therefore ideally suitable as replacement for much more expensive devices. Whenever RotaSet potentiometer do not meet specifications, RotaSense precision potentiometer can be used. Generally all standard types without modifications in standard resistance values are available in small and medium quantities from stock. Assemblies of RotaSense precision potentiometer with AC & DC servomoters are also avalable. In the product range also rear shaft extension and tandem versions are available.

LinoSense® potentiometric and magnetostrictive linear motion position sensors, for direct and absolute measurement of distances. They can be operated by shaft rods. In potentiometric LinoSense sensors a multifinger precious metal wiper guarantees a long life at medium operating speed and a correct signal output. In the “M” series (LSCM, LSOM, LSRM, MTIM and MTRM) an integrated microcontroller system provides different factory settable options and functions like limit switches, zooming, RS232 ans RS485 interface and more. LinoSense models SSC and SSO magnetostrictive, intelligent - programmable sensors, detect the measured displacement by a ring magnet contactless, absolutely and without wear. Alternatively are analog and digital outputs available . Against parasitic induction the sensors are sufficient protected by a robust aluminium housing. Radial forces are avoided by couplings or tips.

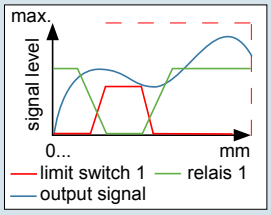
Examples of possible functions for *LinoSense*® signal condtioning, processed by the integrated microcontroller system.



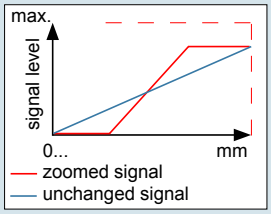
zero setting function



cable break detection



limit swich function



zooming function

RotaContact Sliprings are used in electrical - mechanical systems where a uninterruptible current or signal transmission from a static to an rotating object has to be to proceed. The encapsulated sliprings are integrated into a metal housing, this avoids the influence of interferences. Special wipers are sliding on a track, wiper and track are formed to fit perfectly into each other. This construction enlarges the contact surface , reduces current noises and improves the life time performances. Typical application are robotics, rotative sensors, aviation, military, medical equipment, measurement and testing devices, rotary indexing table, video systems.

StepFoil this potentiometric linear indicator comes in are very flat (below 3mm) design. Therefore these indicators are suitable for space limited applications. Two mechanically different versions are available, in standard lengths up to 500mm. Stepfoil can be used as general purpose device. In the FR4 version a moving magnet, in a distance smaller than 1 mm above the element, indicates a resistance value corresponding to the electrical travel. In the also fully sealed flexible standard type a spring loaded mechanical wiper directly moves on the resistive element and induces an electrical signal by connecting two layers inside the element, comparable to standard potentiometer. Generally a resolution of 100 micron is possible, the reproducibility reaches ±0,5 mm and better. The linearity tolerance is generally closer than 1%. Nevertheless Stepfoil is not directly comparable to a displacement sensor because the accuracy specification and resolution are not corresponding. A big advantage of Stepfoil is the completely sealed design, which makes them IP65 proof.

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Consultant / Sales partner

Fragebogen - Lineare Wegaufnehmer **LINOSENSE**
Questionare - Linear Motion Sensors

Firma *Company:* ..... Kunde: *Customer ID:* .....
..... Datum: *Date:* .....
Name: .....
Telefon: *Phone:* ..... Fax: .....

Technische Grunddaten / *Technical basic data:*

Messweg (mm) / *Measuring range (mm):* .....
Linearitätstoleranz / *Linearity tolerance (%):* .....
Lebensdauer (Hübe) / *Operating life (movements):* .....
Messgeschwindigkeit / *Operating speed (m/s):* .....
Temperaturbereich / *Temperature range (°C):* .....
Schutzart / *Type of protection (IP):* .....

Mechanische Daten / *Mechanical data:*

Mechanische Ankopplung / *Mechanical connection:*
Fest verbunden / *Firmly connected?* ja/*yes:* ☐ nein/*no:* ☐ Rückstellfeder / Spring loaded ja/*yes:* ☐ nein/*no:* ☐

Gelenkkopf beidseitig / *Rod bearing on both ends?* ja/*yes:* ☐ nein/*no:* ☐

Elektrische Daten */ *Electrical data:*

Kabelanschluss / *Cable?* ja/*yes:* ☐ nein/*no:* ☐ Kabellänge / *Cable length* (m) .....

Steckeranschluss / *Plug?* ja/*yes:* nein/*no:*
Gegenstecker mit Kabel / *Mating plug with cable?* ja/*yes:* ☐ nein/*no:* ☐ Kabellänge / Cable length (m) .....

Passive Beschaltung */ *Passive circuit*
Spannungsteiler / *Voltage divider?* ja/*yes:* ☐ ja/*yes:* ☐ oder / *or* Rheostat? ja/*yes:* ☐ nein/*no:* ☐

Aktiver Signalausgang */ *Active signal output:*
Versorgungsspannung / *Supply voltage:* ±15VDC ☐ ±24VDC ☐
Ausgang / *Output signal (analog):* 0...5VDC ☐ 0...10VDC ☐ 0...20mA ☐ 4...20mA ☐
Ausgang / *Output signal (digital):* RS232 ☐ RS485 ☐ 5V TTL ☐

Funktion (nur M Elektronik) / *Function (M Electronic only):* F1 ☐ F2 ☐ F3 ☐ F4 ☐ F5 ☐ F6 ☐ F7 ☐ F8 ☐

☐ Bitte erstellen Sie ein Angebot über / *Please make an offer for:* ..... Anzahl / *Quantity*

Anmerkung / *Remark* (Spezielle Umgebungsumstände, Vibration, Schock / *Special environmental conditions, vibration, shock*):

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Fragebogen - Einstellpotentiometer ***ROTASET***

Questionare - Setting Devices

Firma *Company:* ..... Kunde: *Customer ID:* .....

..... Datum: *Date:* .....

Name: .....

Telefon: *Phone:* ..... Fax: .....

Grunddaten / *Basic data:*

Widerstandswert */ Resistance value:* ..... (Ω)

Mech. Drehwinkel / *Mechanical angle:* ..... (°)

Elektr. Drehwinkel */ Effective eletrical angle* ..... *(°)*

Widerstandstoleranz */ Resistance tolerance:* ..... *(%)*

Linearitätstoleranz / *Linearity tolerance:* ..... *(%)*

Erwartete Lebensdauer / Expected *operating life:* ..... Achsbewegungen / movements of the shaft

Temperaturbereich / *Temperature range):* ..... *(°C)*

Schutzart / *Type of protection:* ..... *(IP)*

Mechanische Daten / *Mechanical data:*

Achsdurchmesser / *Dia of the shaft?* 4mm ☐ 6mm ☐ 6.35mm ☐ Andere / *Other?* ..... mm

Schraubendreherschlitz / *Scew driver slot?* ja/*yes:* ☐ nein/*no:* ☐

Rückwärtige Achse / *Rear shaft extension?* ja/*yes:* ☐ nein/*no:* ☐

Zusätzliche Sektion */ Additional section?* ja/*yes:* ☐ nein/*no:* ☐ Anzahl / Quantity .....

Spezielle Optionen */ Special options:*

Kabelanschluss / *Cable?* ja/*yes:* ☐ nein/*no:* ☐ Kabellänge / *Cable length* (m) .....

Steckeranschluss / *Plug?* ja/*yes:* ☐ nein/*no:* ☐ Fabrikat / Brand? .....

Passive Beschaltung */ Passive circuit*

Spannungsteiler / *Voltage divider?* ja/*yes:* ☐ ja/*yes:* ☐ oder / *or* Rheostat? ja/*yes:* ☐ nein/*no:* ☐

Anmerkung / *Remark:* (Spezielle Umgebungsumstände, Vibration, Schock / *Special environmental conditions, vibration, shock*):

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