

Displacement Sensors Angle Sensors

- induktive
- magnetostrictive

applications

- mechanical engineering
- power station engineering
- plant construction
- vehicle manufacturing
- process technology

measuring stroke up to 1500mm
measuring angle up to 120°

Made in Germany
DIN ISO 9001 certified



displacement sensor

inductive/magnetostrictive

- measuring stroke up to 1500mm
- integrated or external electronics



gauge version

with return spring

- measuring stroke up to 100mm
- housing 8 to 25mm diameter
- integrated or external electronics



gap sensor

with measuring tag

- measuring stroke up to 20mm
- integrated electronics (calibrated)



angle sensor

- measuring angle up to 120°
- housing 36 up to 104mm diameter
- integrated or external electronics



electronic modules

- with in-house ASIC
- current or voltage output
- 1- or 2-channel version
- up to 7 channels on europe-format

special structural shapes

- manufacture of customer-specific special versions

modular structure

enables rapid and inexpensive development and manufacture of customer-specific sensors

typical sensor design:

- ① stainless steel housing
- ② shielding and electronics
- ③ high precision coil
- ④ stainless steel plunger

standard type transducers

series	housing	stroke/angle	electronics	remarks
SM20/21/22	ø8/ø10mm	up to 20mm	external	miniature version
SM24	M12x1	up to 15mm	external	M12x1 housing
SM26	ø12mm	up to 200mm	external	gauge type available
SM27	ø10mm	up to 20mm	integrated	5V supply voltage
SM30	M30x1.5	up to 15mm	integrated	M30x1.5 housing
SM32	25x25mm	up to 15mm	integrated	aluminium housing
SM40	ø25mm	up to 200mm	integrated	standard displacement sensor
SM42	ø25mm	up to 360mm	integrated	extra short length
SM44	30x30mm	up to 200mm	integrated	sturdy aluminium housing
SM48	80x60x26.5mm	20mm	integrated	passable tag
SM60	ø36.5mm	up to 90°	external	small shape
SM61	ø36.5mm	up to 120°	integrated	small shape
SM62	ø58mm	up to 120°	integrated	standard angle sensor
SM64	ø104mm	up to 2x 120°	integrated	dual measuring system
SM70	ø10 / SW41	up to 1500mm	integrated	magnetostrictive / pressure proof

development and manufacture

- In-house development and manufacture of high precision coils, electronics and special machinery
- Our displacement and angle sensors are resistant to the environment, tested for shock and vibration and fulfill the existing EMC regulations. The testing steps for each sensor are computer monitored and documented
- customer-specific special designs even for small numbers
- complete regulating and control systems
- certified quality management



special machinery for isocyclic winding of coils

Your business partner:

Nordic Transducer

Als Odde DK9560 Hadsund Denmark
ph.: +45 98581444 - Fax. +45 98581866
e-mail: ntt@ntt.dk - web: www.ntt.dk