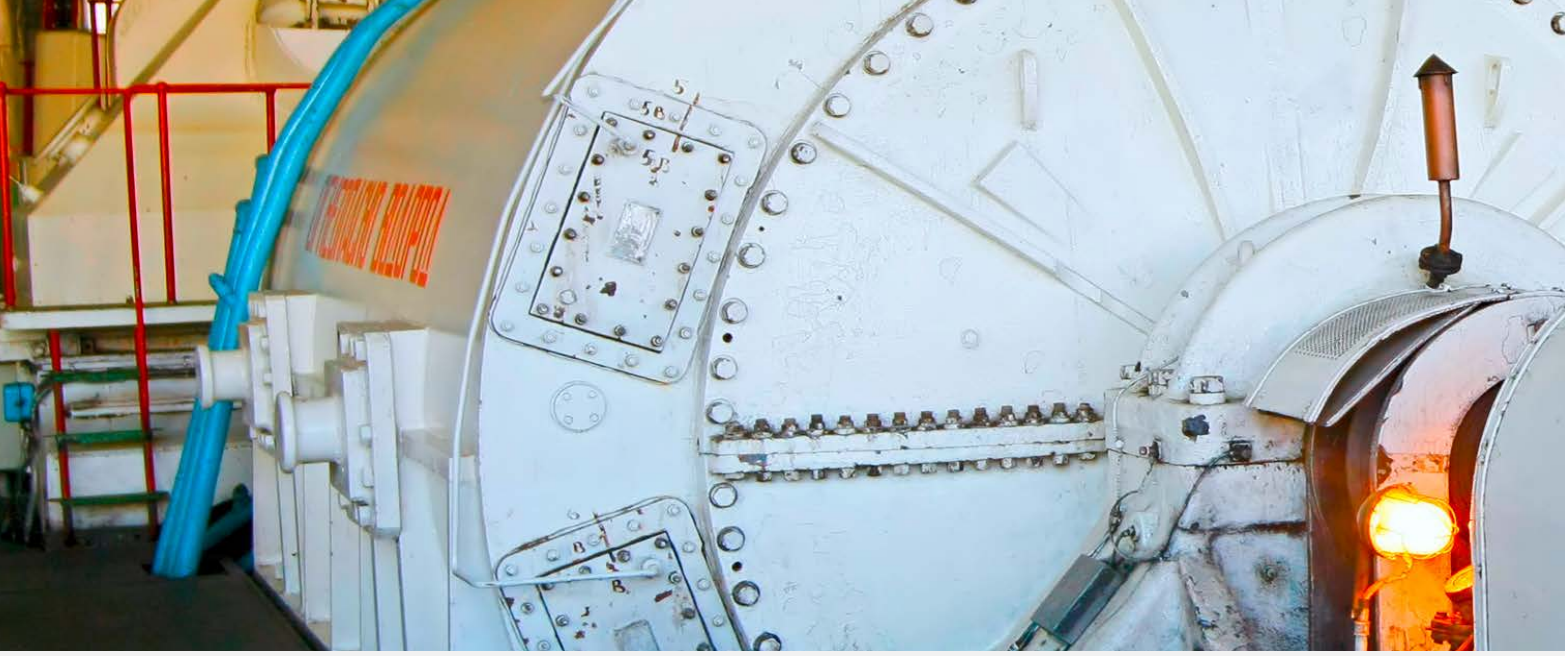


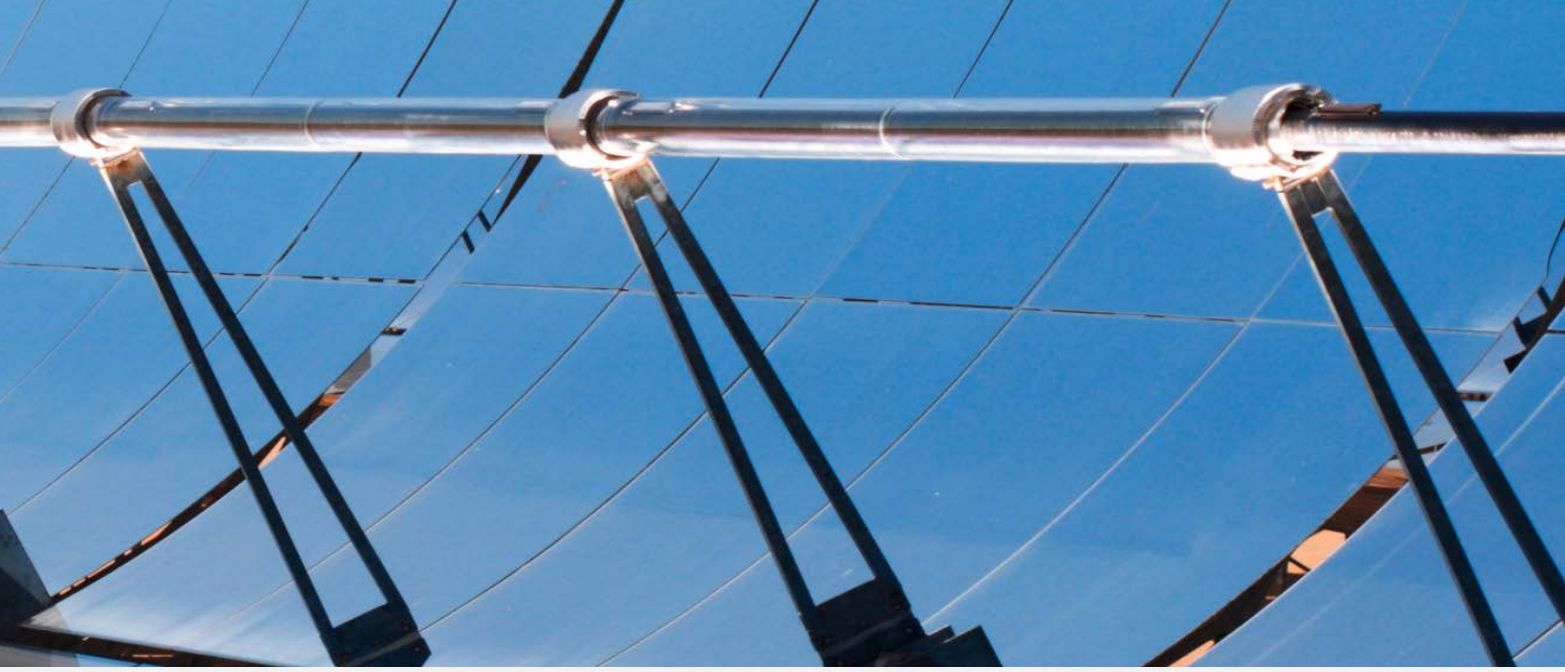
OVERVIEW TRANSMITTERS FOR ANGULAR POSITION

Type	WT720 THE INDUSTRIAL	WT720 WITH FLANGE ADAPTER THE ALTERNATIVE	WT707 THE ROBUST
Features	• 견고한 산업용 하우징 • 높은 침투 방지 기능 • 현장 매개 변수화	• 현장 매개 변수가 있는 경우 WT707 / WT717에 대한 대안	• 아날로그 • 거친 환경에 적합
Measuring principle	capacitive	capacitive	capacitive
Housing design	ø 58 mm	ø 58 mm /ø 102 mm	ø 102 mm
Type of shaft	solid shaft	solid shaft	solid shaft
Shaft diameter	ø 10 mm	ø 19 mm	ø 19 mm 0…30°
Measuring range	singleturn 0...360°	singleturn 0...360°	, 0…60° , 0…90°
Electrical interface	analogue 4...20mA	analogue 4...20mA	analogue 0 / 4...20mA 12 …
Operating voltage	12 … 30 VDC	12 … 30 VDC	33 VDC
Linearity	±0.5%	±0.5%	≤0.5%
Reproducibility	0.1°	0.1°	0.1°
Premitted shaft load	max. 80 N radial max. 40 N axial	max. 80 N radial max. 40 N axial	max. 1000 N radial max. 500 N axial
Mounting position	any	any	any
Housing material	anodized aluminum	anodized aluminum	Steel / stainless steel flange aluminium hood –25
Operating temperature	–40 … +85 °C	–40 … +85 °C	… +70 °C
Protection	IP67 / IP69K	IP67 / IP69K	IP 66

WT717 THE ROBUST	3W2 THE COMPACT	2W2
• 소프트웨어를 통한 매개변수화	• 거의 무한한 해상도 • 마모 및 유지 관리 불필요	• 소프트웨어를 통한 매개변수화
capacitive	capacitive	capacitive
ø 102 mm	ø 48 mm	ø 48 mm
solid shaft	solid shaft	solid shaft
ø 19 mm	ø 2 mm and ø 6 mm	ø 2 mm and ø 6 mm
0…50° or 0…350°	0…≥10° to 0… ≤270°	0…50° or 0…350°
analogue 4...20mA	analogue 0 / 4...20mA	analogue 4...20mA
12 … 33 VDC	12 … 33 VDC	12 … 33 VDC
≤0.5%	≤0.5%	≤0.5%
0.1°	0.1°	0.1°
max. 1000 N radial max. 500 N axial	max. 16 N radial max. 25 N axial	max. 16 N radial max. 25 N axial
any	any	any
Steel / stainless steel flange aluminium hood	aluminium	aluminium
–25 … +70 °C	–25 … +70 °C	–25 … +70 °C
IP 66	IP 50	IP 50

OVERVIEW INCLINATION TRANSMITTERS

Type	N702 THE ANALOGUE	N702-SSI THE COMMUNICATIVE
Features	• 아날로그 인터페이스 4...20 mA •현장에서 푸시 버튼을 통해 프로그래밍 가능	• 통신 인터페이스 SSI • 현장에서 푸시 버튼을 통해 프로그래밍 가능
Measuring principle	magnetic with pendulum	magnetic with pendulum
Housing design	ø 60 mm	ø 60 mm
Measuring range	0 … 360°	0 … 360°
Pendulum damping	at 25° tilt <1 sec.	at 25° tilt <1 sec.
Electrical interface	4...20 mA	SSI / binary
Operating voltage	9...33 VDC	9...33 VDC
Linearity	0.05%	0.05%
Resolution	14 Bit	14 Bit
Mounting position	Vertical to the measured object	Vertical to the measured object
Housing material	aluminium coated	aluminium coated
Operating temperature	–30 to +70 °C	–30 to +70 °C
Protection	IP66	IP66
Connection	sensor plug M12	sensor plug M12



THE EXTREMELY ROBUST

N702-INOX	N702-INOX HART	N705-MEMS 4...20mA THE ANALOGUE
• 바닷물에 강한 스테인레스 스틸 하우징 • 아날로그 인터페이스 4...20 mA • 신호선을 통해 프로그래밍 가능	• 바닷물에 강한 스테인레스 스틸 하우징 • Digital HART interface • HART interface를 통한 프로그래밍 가능	• Analogue interface 4...20 mA • 무료 현장 매개 변수화
magnetic with pendulum	magnetic with pendulum	Microelectromechanical capacitive tilt angle system
ø 60 mm	ø 60 mm	60 x 60 x 30 mm
0 … 360°	0 … 360°	0 … 360°
at 25° tilt <1 sec.	at 25° tilt <1 sec.	–
4...20 mA	4...20 mA / HART	4...20 mA
8...33 VDC	12...30 VDC	18...33 VDC
0.05%	0.05%	0.05%
14 Bit	14 Bit	14 Bit
Vertical to the measured object	Vertical to the measured object	Perpendicular to the measurement object
stainless steel INOX AiSi 316Ti (1.4571)	stainless steel INOX AiSi 316Ti (1.4571)	Aluminium
–30 to +70 °C	–30 to +70 °C	–30 to +70 °C
IP68	IP68	IP67
Threaded cable connection with fix connection cable	Threaded cable connection with fix connection cable	Connector M12