DATASENSING
easing automation challenges

MEDITECNA
Instrumentación | Proyectos | Servicios

S3N

MINIATURE PHOTOELECTRIC SENSOR SERIES



- All models with visible and bright red emission
- LED and Laser emission models
- Multiple Background suppression functions
- Shiny and clear object detection
- Diffused point spot up to 250 mm
- Single, Double trimmer & Push Button models
- Diffuse proximity up to 100 cm
- Background suppression up to 800 mm (LED trimmer version)
- Polarized RRX 7 m (Red LED emission)
- RRX for transparent 2 m (Red LED emission)
- RGB contrast sensor > 30 kHz and jitter<8 us (preliminary)
- Polarized RRX 12 m (Red Laser emission)
- Through-beam 20 m and Laser 30 m
- Background suppression up to 500 mm (Laser trimmer version)
- Connection with 2 m Cable or M8 connector
- Rugged IP67 Plastic miniature case
- M3 threaded holes on the front side with metal inserts
- State of the art IO-Link connectivity with extended Smart Tasks

CE UKCA cULus IO-Link

CODE DESCRIPTION

S3N - P R - 5 - B 0 1 - P L

series	S3N	Miniature photoelectric sensor
housing	P	Plastic housing
emission	R	Radial LED emission
	H	Radial LASER emission
connection	5	M8 connector
	2	2 m cable
function	B	Retro Reflex Polarized
	C	Diffused
	FG	Through Beam
	M	Background suppression
	T	Transparent
	W	Mark reader (not available yet)
optic	0	Axial standard distance
	1	Axial long distance
	5	Coaxial standard distance
adjustment	0	No adjustment
	1	Trimmer adjustment
	3	Teach-In push button
output	P	PNP output
	N	NPN output
	O	IO-LInk configurable static output
output configuration		L/D configurable by trimmer
	L	Light mode
	D	Dark mode
	Z	IO-Link + configurable static output

TECHNICAL FEATURES

	S3N-PR-*-B01-**	S3N-PR-*-C0*-**	S3N-PR-*-C1*-**
			
Optical Function	LED Polarized retroreflective	LED Diffuse narrow beam	LED Diffuse beam Long Range
Operating Distance	0.05...7 m on R5	2...250 mm (White 90%)	0...1000 mm (White 90%)
Emission	red LED (635 nm) EC62471 EXTEMPT RISK GROUP (RG0)		
Switching Frequency	1 kHz		
Response Time	500 µs		
Supply Voltage	10-30 VDC		
Ripple	≤ 10% peak to peak max.		
No load Current	35 mA max.		
Voltage Leakage	≤ 2 V		
Current Leakage	≤ 300 µA static output; ≤ 400 µA for -03 (IO-Link) models with Push pull enabled		
Load Current	100 mA Max, short circuit protected		
Output Type	PNP or NPN Discrete output all models - IO-Link + static configurable output (S3N...0Z models)		
Indicators	yellow OUTPUT LED - green STABILITY LED (blue LED: IO-Link activity (S3N...0Z models)		
Short Circuit Protection	•		
Reverse Polarity Protection	•		
Overvoltage Protection	•		
Insulation Resistance	>20 MΩ 500 Vdc, between electronics and housing		
Ground resistivity	500 Vac 1 min., between electronics and housing		
Shock and Vibration	0.5 mm amplitude - 10 ... 55 Hz frequency for every axis (EN60068-2-6)		
Dimensions	11 x 32 x 20 mm		
Housing Material	Body: technopolymer Fiber Glass reinforced; indicators: TPE		
Actuatuators Material	POM, PMMA		
Connection	Nickel plated brass M8-4P (S3N-P*-5-***-**); PVC 2 mt. cable (S3N-P*-2-***-P*/N*/P/N)		
Optical Window Material	PMMA		
Mechanical Protection	IP67		
Electromagnetic Compatibility	according to EN 60947-5-2:2020 requirements		
Certifications	CE, UKCA, cULus (IO-Link: S3N...0Z models)		
Ambient Light Immunity	according to EN 60947-5-2 : 2020		
Operating Temperature	-25 ... +55 °C		
Storage Temperature	-40°C...+70°C		

TECHNICAL FEATURES

	S3N-PR-*-FG01-**	S3N-PR-5-FG03-OZ	S3N-PR-*-M01-**	S3N-PR-*-M03-OZ
Optical Function	 LED Through beam emitter and receiver		 LED Background suppression	
Operating Distance	0...20 m		25...300mm (W/B <25%) 25...200mm (Black 6%) 10...800mm (White 90%)	25...180 mm (Black 6%) 25...180 mm (White 90%)
Emission	red LED (635 nm) EC62471 EXTEMPT RISK GROUP (RG0)			
Switching Frequency	500 Hz			
Response Time	1 ms			
Supply Voltage	10-30 VDC			
Ripple	≤ 10% peak to peak max.			
No load Current	35 mA max.			
Voltage Leakage	≤ 2 V			
Current Leakage	≤ 300 µA static output; ≤ 400 µA for -03 (IO-Link) models with Push pull enabled			
Load Current	100 mA Max, short circuit protected			
Output Type	PNP or NPN Discrete output all models - IO-Link + static configurable output (S3N...OZ models)			
Indicators	yellow OUTPUT LED - green STABILITY LED		yellow OUTPUT LED - green Power ON LED/STABILITY(M01) blue LED: IO-Link activity (S3N...OZ models)	
Short Circuit Protection	•			
Reverse Polarity Protection	•			
Overvoltage Protection	•			
Insulation Resistance	>20 MΩ 500 Vdc, between electronics and housing			
Ground resistivity	500 Vac 1 min., between electronics and housing			
Shock and Vibration	0.5 mm amplitude - 10 ... 55 Hz frequency for every axis (EN60068-2-6)			
Dimensions	11 x 32 x 20 mm			
Housing Material	Body: technopolymer Fiber Glass reinforced; indicators: TPE			
Actuatuators Material	POM, PMMA			
Connection	Nickel plated brass M8-4P (S3N-P*-5-***-**); PVC 2 mt. cable (S3N-P*-2-***-P*/N*/P/N)			
Optical Window Material	PMMA			
Mechanical Protection	IP67			
Electromagnetic Compatibility	according to EN 60947-5-2:2020 requirements			
Certifications	CE, UKCA, cULus (IO-Link: S3N...OZ models)			
Ambient Light Immunity	according to EN 60947-5-2 : 2020			
Operating Temperature	-25 ... +55 °C			
Storage Temperature	-40°C...+70°C			

(1) on white object with 90% remission

TECHNICAL FEATURES

	S3N-PR-*-T51-**	S3N-PR-5-T53-OZ	S3N-PR-5-W03-OZ
			
Optical Function	LED Retroreflective for transparent		RGB Contrast Sensor (Preliminary)
Operating Distance	0...2000 mm on R7		12 ± 3 mm
Emission	Red LED 635 nm (S3N-PR-*-T51/T53-** models) ; Red 633 nm, Green 525 nm, Blue 460 nm LEDs (S3N-PR-5-W03-OZ EC62471 EXTEMPT RISK GROUP (RG0) all models		
Switching Frequency	1 KHz	500 Hz	30kHz/60kHz selectable
Response Time	0,5 ms	1 ms	16 µs/8 us selectable jitter: 8 µs/4 µs selectable
Supply Voltage	10-30 VDC		
Ripple	≤ 10% peak to peak max.		
No load Current	35 mA max	≤35mA (≤50mA below 15V supply)	≤35mA
Voltage Leakage	≤ 2 V @ Iload = 100 mA		<1 V @ IIoad =100 mA
Current Leakage	≤ 300 µA static output	≤ 400 µA for T53 (IO-Link) models with Push pull enabled	≤ 30 µA static output
Load Current	100 mA Max, short circuit protected		
Output Type	PNP or NPN Discrete output all models - IO-Link + static configurable output (S3N...OZ models)		
Indicators	yellow OUTPUT LED - green Power ON LED (blue LED: IO-Link activity (S3N...OZ models)		
Short Circuit Protection	•		
Reverse Polarity Protection	•		
Overvoltage Protection	•		
Insulation Resistance	>20 MΩ 500 Vdc, between electronics and housing		
Ground resistivity	500 Vac 1 min., between electronics and housing		
Shock and Vibration	0.5 mm amplitude - 10 ... 55 Hz frequency for every axis (EN60068-2-6)		
Dimensions	11 x 32 x 20 mm		
Housing Material	Body: technopolymer Fiber Glass reinforced; indicators: TPE		
Actuatuators Material	POM, PMMA		
Connection	Nickel plated brass M8-4P (S3N-P*-5-***-**); PVC 2 mt. cable (S3N-P*-2-***-P*/N*/P/N)		
Optical Window Material	PMMA		
Mechanical Protection	IP67		
Electromagnetic Compatibility	according to EN 60947-5-2:2020 requirements		
Certifications	CE, UKCA, cULus (IO-Link: S3N...OZ models)		
Ambient Light Immunity	according to EN 60947-5-2 : 2020		
Operating Temperature	-25 ... +55 °C		
Storage Temperature	-40°C...+70°C		

(1) on white object with 90% remission

TECHNICAL FEATURES

	S3N-PH-*-B01-**	S3N-PH-5-B03-0Z
		
Optical Function	Laser Polarized retroreflective	
Operating Distance	0.1...12 m on R7	
Emission	Laser light 650 nm (red), Class 1 IEC60825-1 Ed. 3 2014	
Switching Frequency	2 kHz	
Response Time	250 µs	
Supply Voltage	10-30 VDC	
Ripple	≤ 10% peak to peak max.	
No load Current	35 mA max.	
Voltage Leakage	≤ 2 V	
Current Leakage	≤ 300 µA static output; ≤ 400 µA for -03 (IO-Link) models with Push pull enabled	
Load Current	100 mA Max, short circuit protected	
Output Type	PNP or NPN Discrete output all models - IO-Link + static configurable output (S3N...0Z models)	
Indicators	yellow OUTPUT LED - green Power ON LED (blue LED: IO-Link activity (S3N...0Z models)	
Short Circuit Protection	•	
Reverse Polarity Protection	•	
Overvoltage Protection	•	
Insulation Resistance	>20 MΩ 500 Vdc, between electronics and housing	
Ground resistivity	500 Vac 1 min., between electronics and housing	
Shock and Vibration	0.5 mm amplitude - 10 ... 55 Hz frequency for every axis (EN60068-2-6)	
Dimensions	11 x 32 x 20 mm	
Housing Material	Body: technopolymer Fiber Glass reinforced; indicators: TPE	
Actuatuators Material	Trimmers POM	Push button POM
Connection	Nickel plated brass M8-4P (S3N-P*-5-***-**); PVC 2 mt. cable (S3N-P*-2-***-P*/N*/P/N)	
Optical Window Material	PMMA	
Mechanical Protection	IP67	
Electromagnetic Compatibility	according to EN 60947-5-2:2020 requirements	
Certifications	CE, UKCA, cULus, CDRH 1 (IO-Link: S3N...0Z models)	
Ambient Light Immunity	according to EN 60947-5-2 : 2020	
Operating Temperature	-25 ... +55 °C	
Storage Temperature	-40°C...+70°C	

TECHNICAL FEATURES

	S3N-PH-*-M01-**	S3N-PH-5-M03-OZ	S3N-PH-*-FG01-**	S3N-PH-5-FG03-OZ
				
Optical Function	Laser Background suppression		Laser Through beam emitter and receiver	
Operating Distance	30...200 mm (W/B <25%) 30...130 mm (Black 6%) 10...500 mm (White 90%)	22...130 mm (Black 6%) 22...130 mm (White 90%)	0...30 m	
Emission	Laser light 650 nm (red), Class 1 IEC60825-1 Ed. 3 2014			
Switching Frequency	2 kHz	1.5 kHz	2 kHz	
Reponse Time	250 µs	333 µs	250 µs	
Supply Voltage	10-30 VDC			
Ripple	≤ 10% peak to peak max.			
No load Current	35 mA max.			
Voltage Leakage	≤ 2 V			
Current Leakage	≤ 300 µA static output; ≤ 400 µA for -03 (IO-Link) models with Push pull enabled			
Load Current	100 mA Max, short circuit protected			
Output Type	PNP or NPN Discrete output all models - IO-Link + static configurable output (S3N...OZ models)			
Indicators	yellow OUTPUT LED - green Power ON LED (blue LED: IO-Link activity (S3N...OZ models)			
Short Circuit Protection	●			
Reverse Polarity Protection	●			
Overvoltage Protection	●			
Insulation Resistance	>20 MΩ 500 Vdc, between electronics and housing			
Ground resistivity	500 Vac 1 min., between electronics and housing			
Shock and Vibration	0.5 mm amplitude - 10 ... 55 Hz frequency for every axis (EN60068-2-6)			
Dimensions	11 x 32 x 20 mm			
Housing Material	Body: technopolymer Fiber Glass reinforced; indicators: TPE			
Actuatuators Material	POM, PMMA			
Connection	Nickel plated brass M8-4P (S3N-P*-5-***-**); PVC 2 mt. cable (S3N-P*-2-***-P*/N*/P/N)			
Optical Window Material	PMMA			
Mechanical Protection	IP67			
Electromagnetic Compatibility	according to EN 60947-5-2:2020 requirements			
Certifications	CE, UKCA, cULus (IO-Link: S3N...OZ models)			
Ambient Light Immunity	according to EN 60947-5-2 : 2020			
Operating Temperature	-25 ... +55 °C			
Storage Temperature	-40°C...+70°C			

(1) on white object with 90% remission

AVAILABLE MODELS

Distance	Adjustment	2 m 3 wires cable Ø 3.5 mm		M8 4pin		
		PNP	NPN	PNP	NPN	IO-Link + Conf. out
Red LED retro reflective polarized 0.05...7 m on R5	1 Trimmer (Adj.) LIGHT	**S3N-PR-2-B01-PL** (95B010082)	**S3N-PR-2-B01-NL** (95B010242)	**S3N-PR-5-B01-PL** (95B010092)	**S3N-PR-5-B01-NL** (95B010252)	-
	1 Trimmer (Adj.) DARK	**S3N-PR-2-B01-PD** (95B010102)	**S3N-PR-2-B01-ND** (95B010262)	**S3N-PR-5-B01-PD** (95B010112)	**S3N-PR-5-B01-ND** (95B010272)	-
	2 Trimmers (Adj.+ L/D)	**S3N-PR-2-B01-P** (95B010592)	**S3N-PR-2-B01-N** (95B010582)	**S3N-PR-5-B01-P** (95B010612)	**S3N-PR-5-B01-N** (95B010602)	-
	Push button	-	-	-	-	**S3N-PR-5-B03-OZ** (95B010780)
Red LED diffused Narrow Beam 2...250 mm (1)	1 Trimmer (Adj.) LIGHT	**S3N-PR-2-C01-PL** (95B010042)	**S3N-PR-2-C01-NL** (95B010202)	**S3N-PR-5-C01-PL** (95B010052)	**S3N-PR-5-C01-NL** (95B010212)	-
	1 Trimmer (Adj.) DARK	**S3N-PR-2-C01-PD** (95B010062)	**S3N-PR-2-C01-ND** (95B010222)	**S3N-PR-5-C01-PD** (95B010072)	**S3N-PR-5-C01-ND** (95B010232)	-
	2 Trimmers (Adj.+ L/D)	**S3N-PR-2-C01-P** (95B010672)	**S3N-PR-2-C01-N** (95B010662)	**S3N-PR-5-C01-P** (95B010692)	**S3N-PR-5-C01-N** (95B010682)	-
	Push Button	-	-	-	-	**S3N-PR-5-C03-OZ** (95B010790)
Red LED diffused Long Distance 0...1000 mm (1)	1 Trimmer (Adj.) LIGHT	**S3N-PR-2-C11-PL** (95B010002)	**S3N-PR-2-C11-NL** (95B010162)	**S3N-PR-5-C11-PL** (95B010012)	**S3N-PR-5-C11-NL** (95B010172)	-
	1 Trimmer (Adj.) DARK	**S3N-PR-2-C11-PD** (95B010022)	**S3N-PR-2-C11-ND** (95B010182)	**S3N-PR-5-C11-PD** (95B010032)	**S3N-PR-5-C11-ND** (95B010192)	-
	2 Trimmers (Adj.+ L/D)	**S3N-PR-2-C11-P** (95B010632)	**S3N-PR-2-C11-N** (95B010622)	**S3N-PR-5-C11-P** (95B010652)	**S3N-PR-5-C11-N** (95B010642)	-
	Push Button	-	-	-	-	**S3N-PR-5-C13-OZ** (95B010800)
Red LED through beam emitter and receiver 0...20 m	1 Trimmer (Adj.) LIGHT	**S3N-PR-2-FG01-PL** (95B010122)	**S3N-PR-2-FG01-NL** (95B010282)	**S3N-PR-5-FG01-PL** (95B010132)	**S3N-PR-5-FG01-NL** (95B010292)	-
	1 Trimmer (Adj.) DARK	**S3N-PR-2-FG01-PD** (95B010142)	**S3N-PR-2-FG01-ND** (95B010302)	**S3N-PR-5-FG01-PD** (95B010152)	**S3N-PR-5-FG01-ND** (95B010312)	-
	2 Trimmers (Adj.+ L/D)	**S3N-PR-2-FG01-P** (95B010712)	**S3N-PR-2-FG01-N** (95B010702)	**S3N-PR-5-FG01-P** (95B010732)	**S3N-PR-5-FG01-N** (95B010722)	-
	Push Button	-	-	-	-	**S3N-PR-5-FG03-OZ** (95B010810)
Red LED Mechanic BGS 10...800mm (1)	1 Trimmer (Adj.) LIGHT	**S3N-PR-2-M01-PL** (95B010332)	**S3N-PR-2-M01-NL** (95B010322)	**S3N-PR-5-M01-PL** (95B010352)	**S3N-PR-5-M01-NL** (95B010342)	-
	1 Trimmer (Adj.) DARK	-	-	**S3N-PR-5-M01-PD** (95B010562)	-	-
	2 Trimmers (Adj.+ L/D)	**S3N-PR-2-M01-P** (95B010752)	**S3N-PR-2-M01-N** (95B010742)	**S3N-PR-5-M01-P** (95B010772)	**S3N-PR-5-M01-N** (95B010762)	-
Red LED bkgd.suppression electronic 25...180 mm (1)	Push Button	-	-	-	-	**S3N-PR-5-M03-OZ** (95B010820)
Red LED retro reflective polarized for transparent 0.05...2m on R7	1 Trimmer (Adj.) LIGHT	**S3N-PR-2-T51-PL** (95B010422)	**S3N-PR-2-T51-NL** (95B010432)	**S3N-PR-5-T51-PL** (95B010402)	**S3N-PR-5-T51-NL** (95B010412)	-
	1 Trimmer (Adj.) DARK	**S3N-PR-2-T51-PD** (95B010382)	**S3N-PR-2-T51-ND** (95B010392)	**S3N-PR-5-T51-PD** (95B010362)	**S3N-PR-5-T51-ND** (95B010372)	-
	2 Trimmers (Adj.+ L/D)	**S3N-PR-2-T51-P** (95B01083)	**S3N-PR-2-T51-N** (95B010840)	**S3N-PR-5-T51-P** (95B010850)	**S3N-PR-5-T51-N** (95B010860)	-
	Push Button	-	-	-	-	**S3N-PR-5-T53-OZ** (95B010870)
LED RGB Contrast Sensor 12mm; 4x1mm spot (Preliminary)	Push Button	-	-	-	-	**S3N-PR-5-W03-OZ** (95B010026)

AVAILABLE MODELS

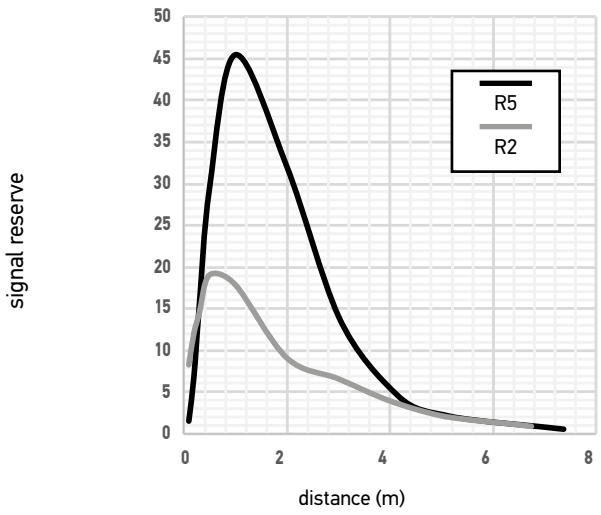
Distance	Adjustment	2 m 3 wires cable Ø 3.5 mm		M8 4pin		
		PNP	NPN	PNP	NPN	IO-Link + Conf. out
Red Laser Retro Reflex Polarized 0.05...12 m on R7	2 Trimmers (Adj.+ L/D)	**S3N-PH-2-B01-P** (95B010442)	**S3N-PH-2-B01-N** (95B010452)	**S3N-PH-5-B01-P** (95B010462)	**S3N-PH-5-B01-N** (95B010472)	-
	Push Button	-	-	-	-	**S3N-PH-5-B03-OZ** (95B010880)
Mechanic Red Laser BGS 10...500 mm (1)	2 Trimmers (Adj.+ L/D)	**S3N-PH-2-M01-P** (95B010482)	**S3N-PH-2-M01-N** (95B010492)	**S3N-PH-5-M01-P** (95B010502)	**S3N-PH-5-M01-N** (95B010512)	-
Electronic Red Laser BGS 22...130 mm (1)	Push Button	-	-	-	-	**S3N-PH-5-M03-OZ** (95B010900)
Red Laser Through beam emitter and receiver 0...30 m	2 Trimmers (Adj.+ L/D)	**S3N-PH-2-FG01-P** (95B010522)	**S3N-PH-2-FG01-N** (95B010532)	**S3N-PH-5-FG01-P** (95B010542)	**S3N-PH-5-FG01-N** (95B010552)	-
	Push Button	-	-	-	-	**S3N-PH-5-FG03-OZ** (95B010890)

(1) on white object with 90% remission

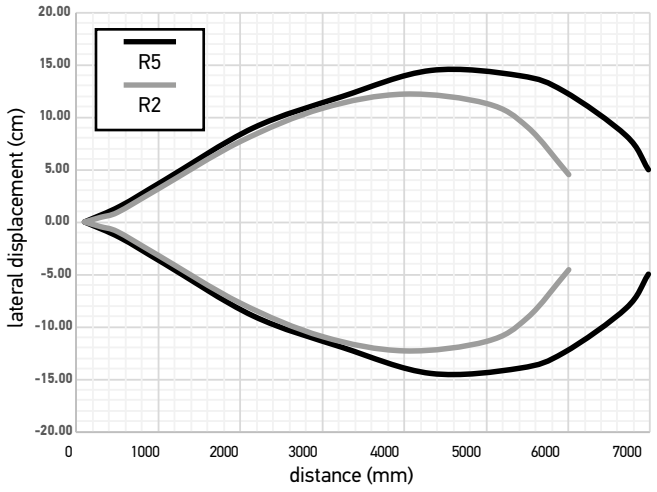
RESPONSE DIAGRAMS (LED EMISSION)

S3N - PR - * - B** - **

Signal reserve

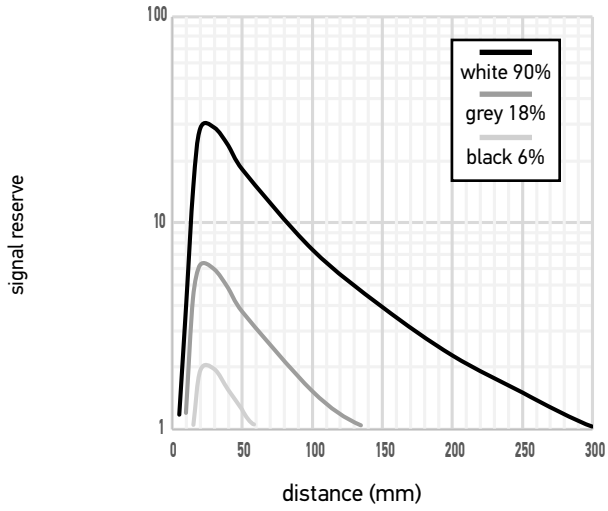


Lateral displacement

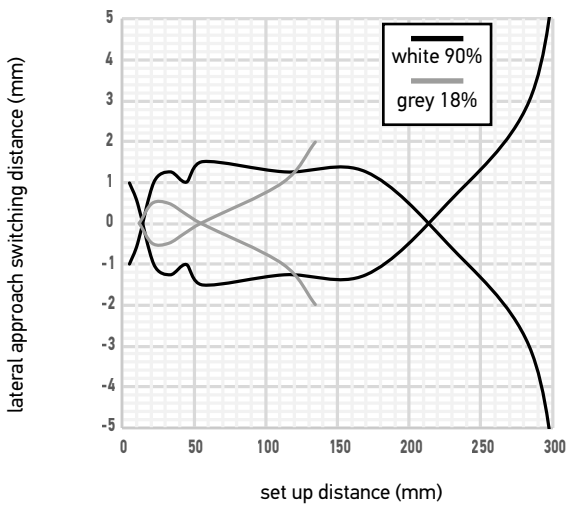


S3N - PR - * - C0* - **

Signal reserve



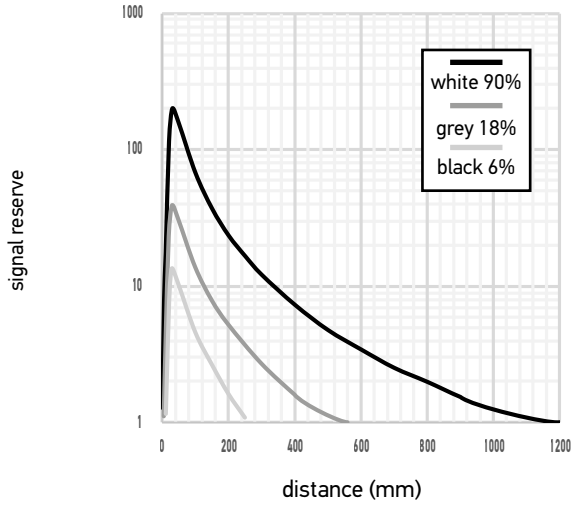
Lateral approach



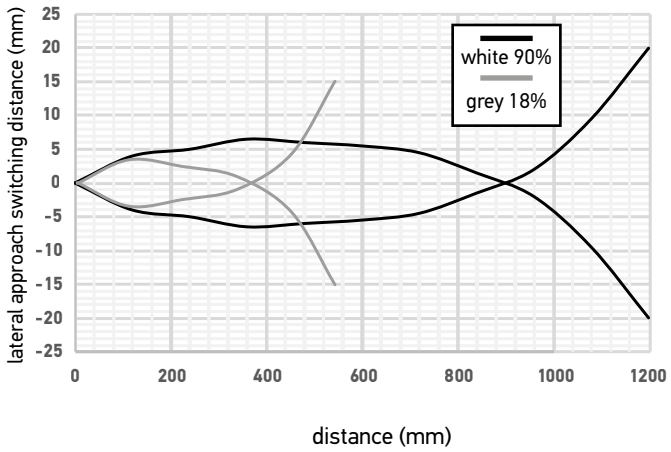
RESPONSE DIAGRAMS (LED EMISSION)

S3N - PR - * - C1* - **

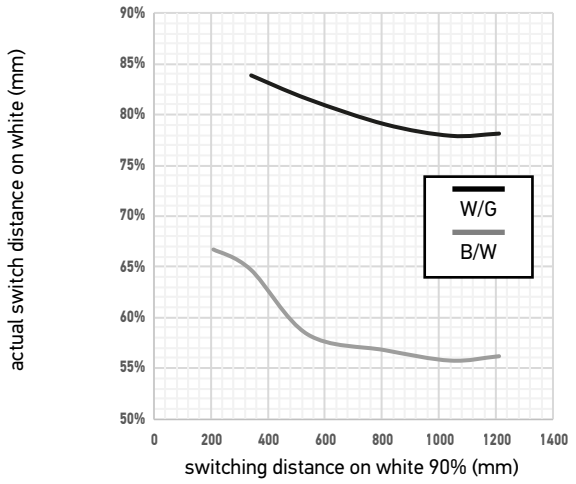
Signal reserve



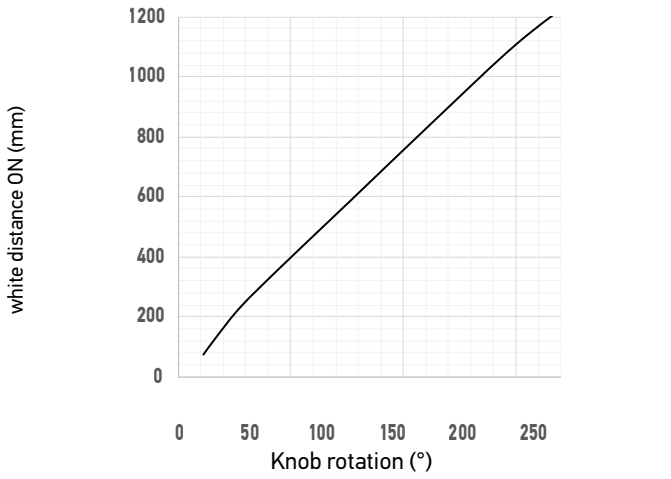
Lateral approach



W/B and W/G difference

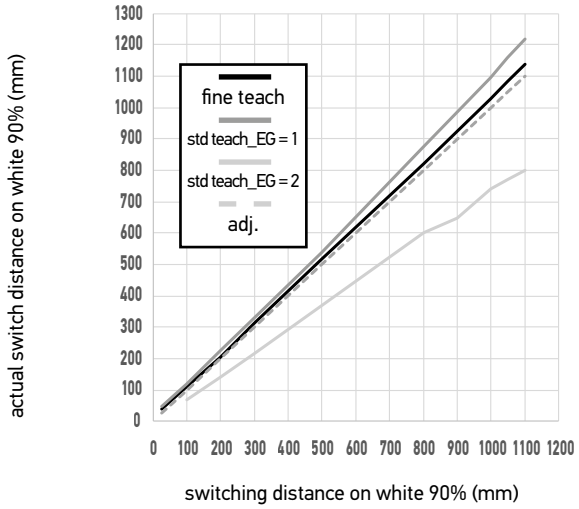


Trimmer linearity



S3N - PR - * - C13 - **

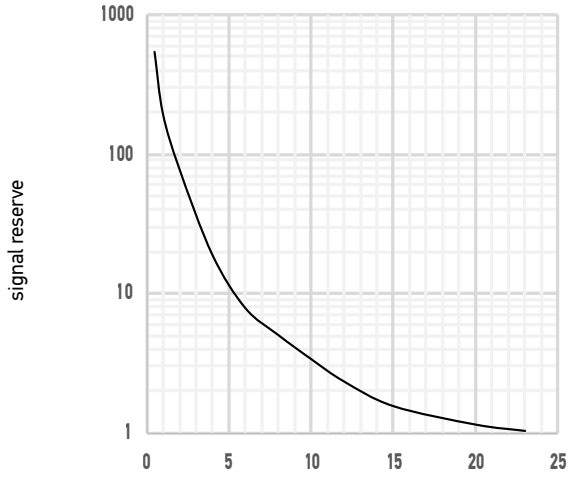
Teach behavior (on white 90%)



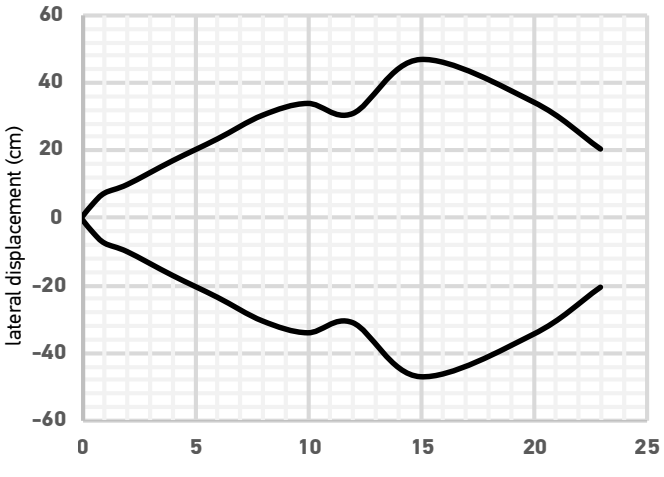
RESPONSE DIAGRAMS (LED EMISSION)

S3N - PR - * - FG** - **

Signal reserve

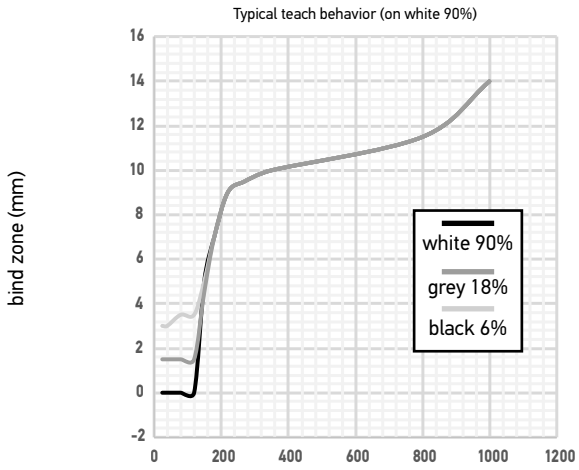


Lateral displacement

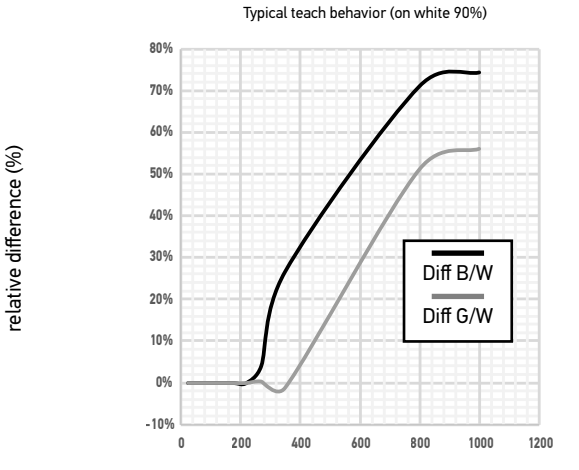


S3N - PR - * - M01 - **

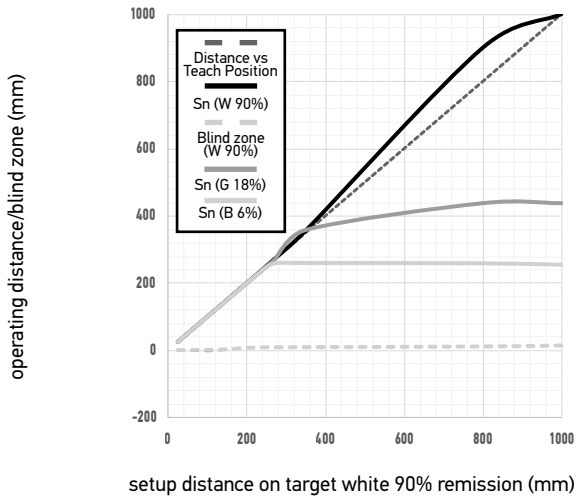
Blind zone vs sensing distance



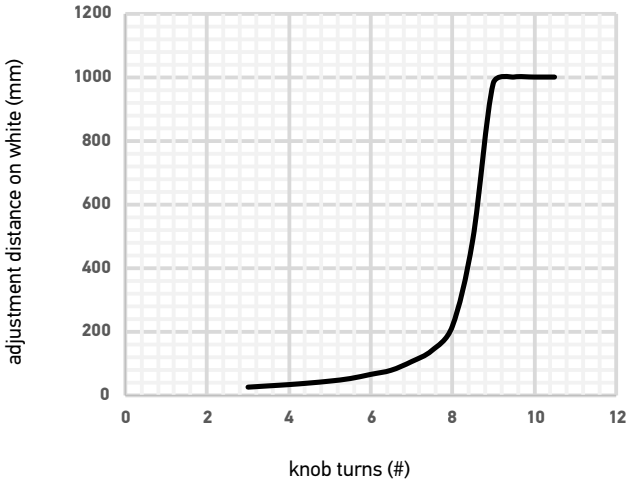
Adjustment behavior (on white 90%)



Typical Operating Distance



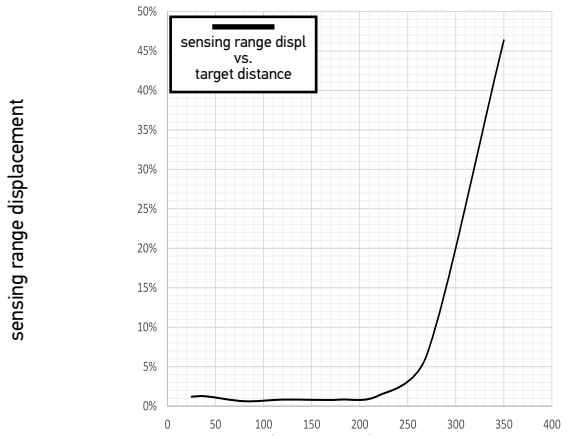
Trimmer adjustment function



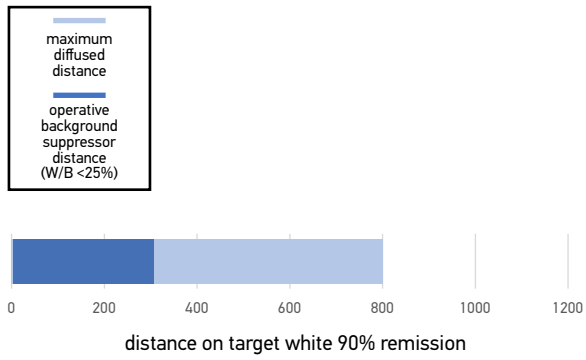
RESPONSE DIAGRAMS (LED EMISSION)

S3N - PR - * - M01 - **

Sensing Range Displacement

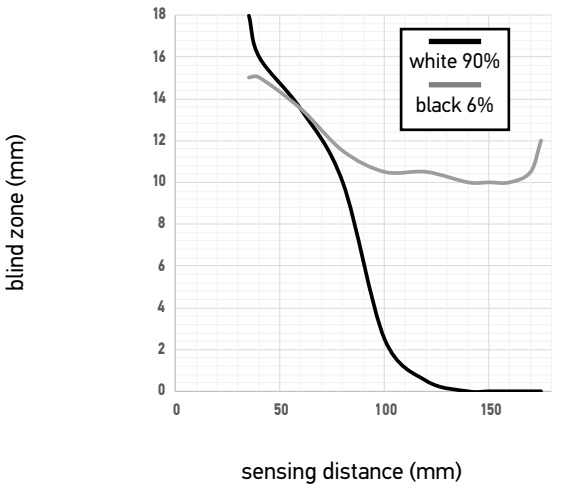


Operating distance

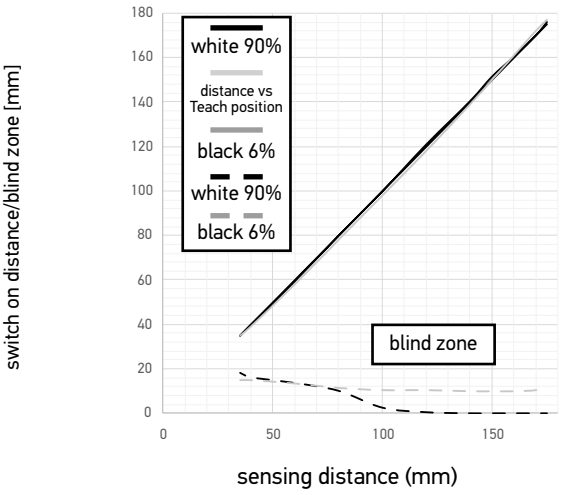


S3N - PR - 5 - M03-OZ

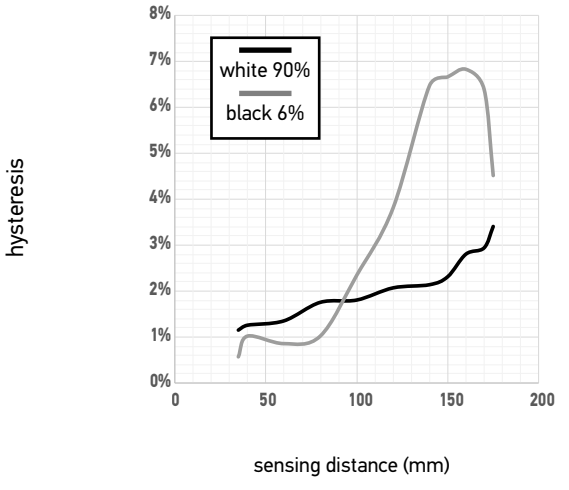
Blind Zone vs Sensing Distance



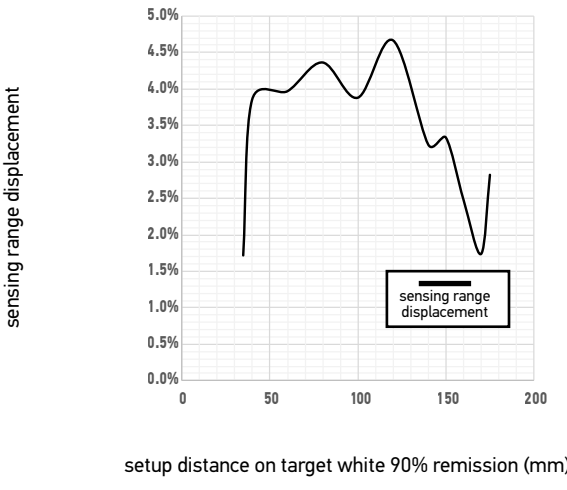
Effective Operative Distance



Hysteresis vs Sensing Distance



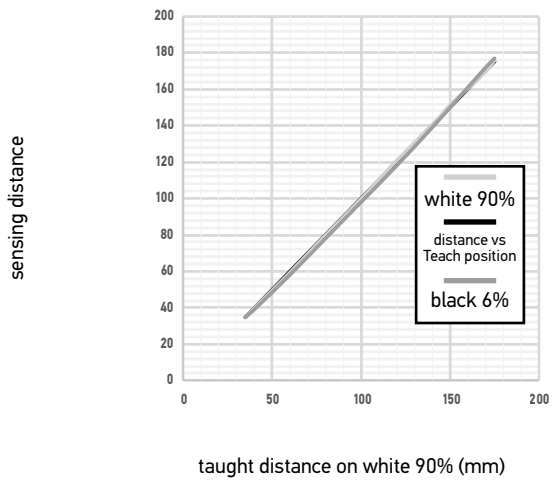
Sensing range displacement



RESPONSE DIAGRAMS (LED EMISSION)

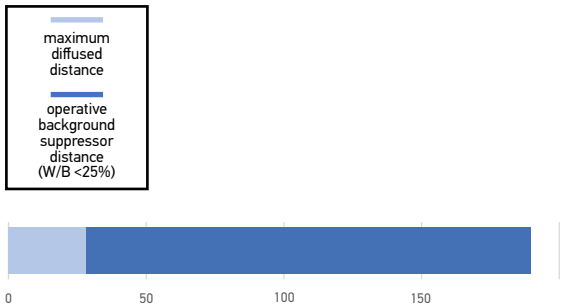
S3N - PR - 5 - M03-OZ

Sensing distance vs taught distance



taught distance on white 90% (mm)

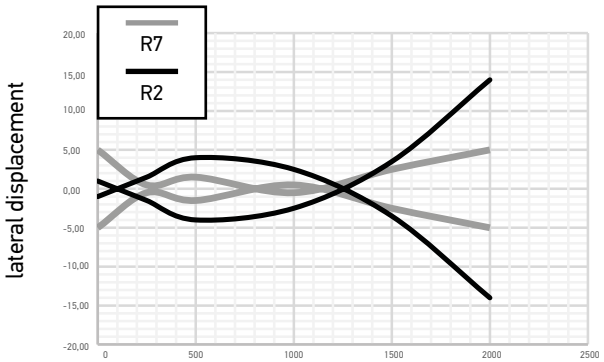
Operating distance



distance on target white 90% remission

S3N - PR - * - T5* - **

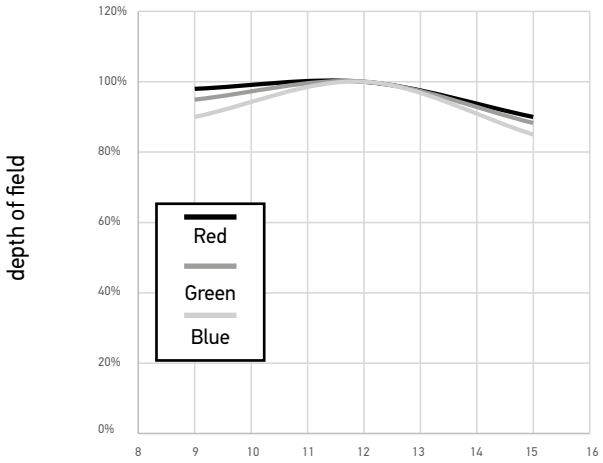
Lateral displacement



distance (mm)

S3N - PR - 5 - W03 - OZ

Sensitivity

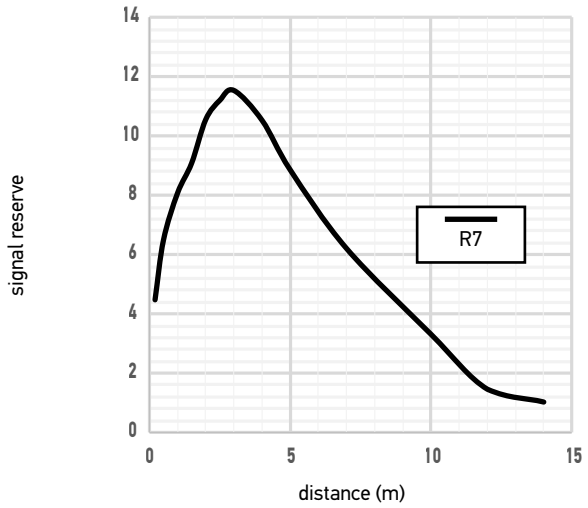


distance (mm)

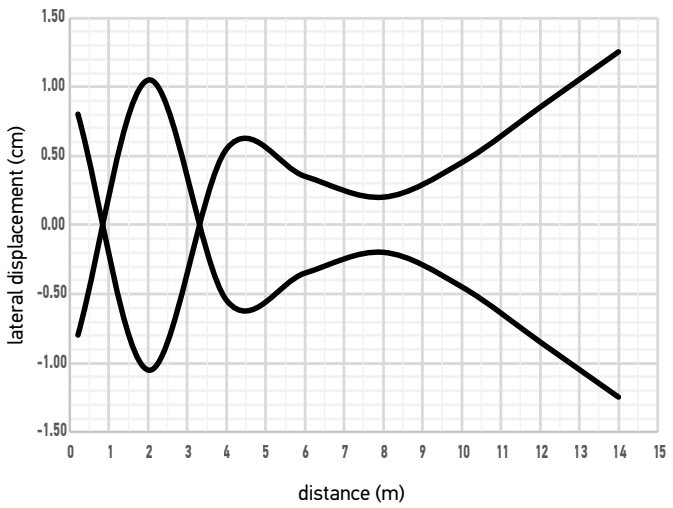
RESPONSE DIAGRAMS (LASER EMISSION)

S3N - PH - * - B** - **

Signal reserve

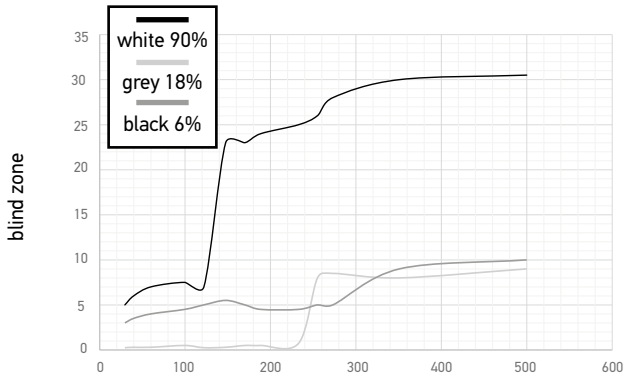


Lateral displacement

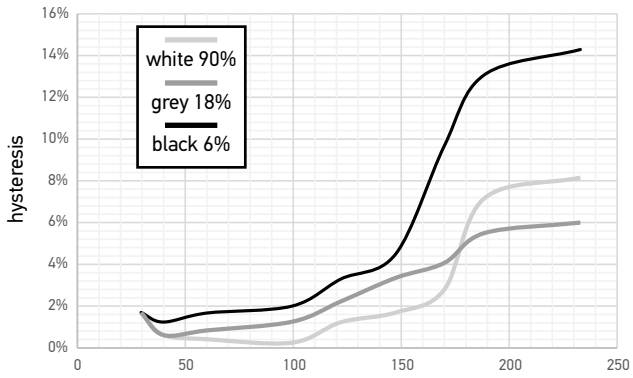


S3N - PH - * - M01 - **

Blind zone

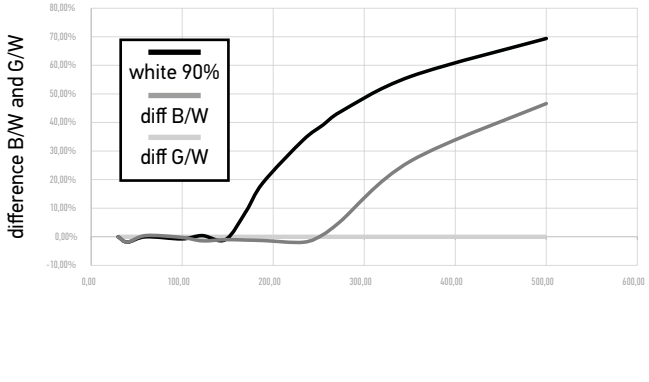


Hysteresis

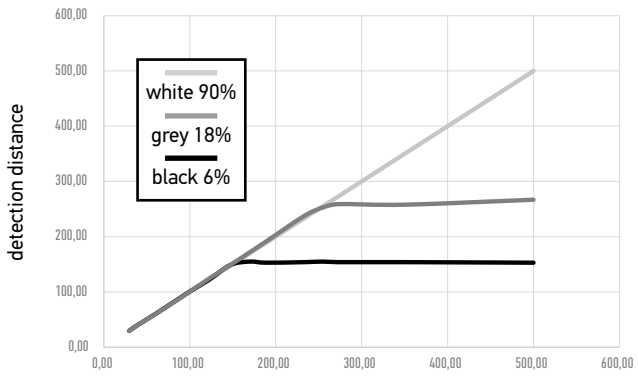


S3N - PH - * - M01 - **

B06/W90 and G18/W90 Shift



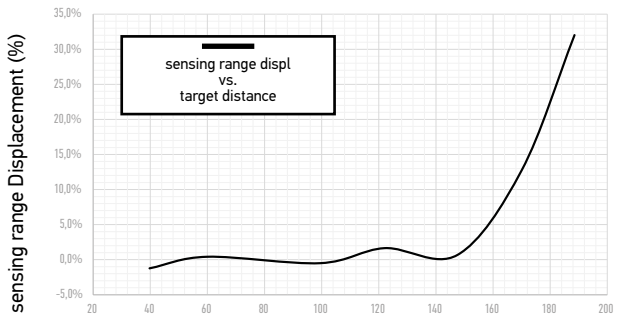
Typical Operating distance



RESPONSE DIAGRAMS (LASER EMISSION)

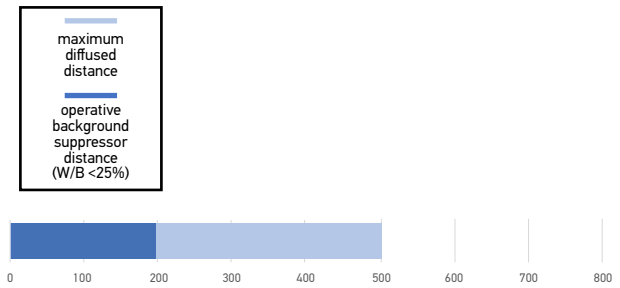
S3N - PH - * - M01 - **

Sensing range displacement



setup distance on target white 90% remission (mm)

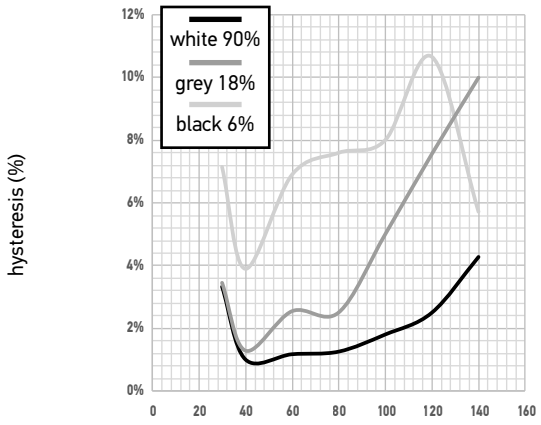
Operating distance



distance on target white 90% remission

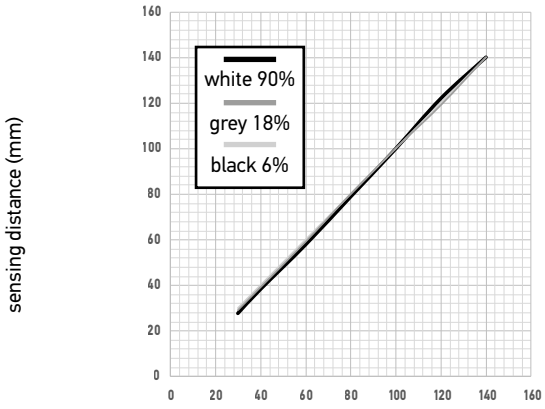
S3N - PH - * - M03 - **

Hysteresis vs sensing distance



setup distance on target white 90% remission (mm)

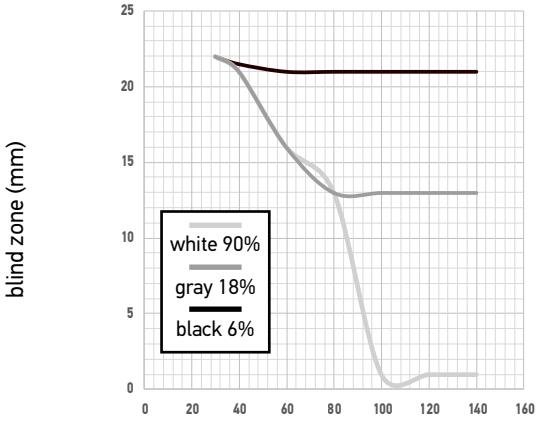
Sensing distance vs Taught position



setup distance on target white 90% remission (mm)

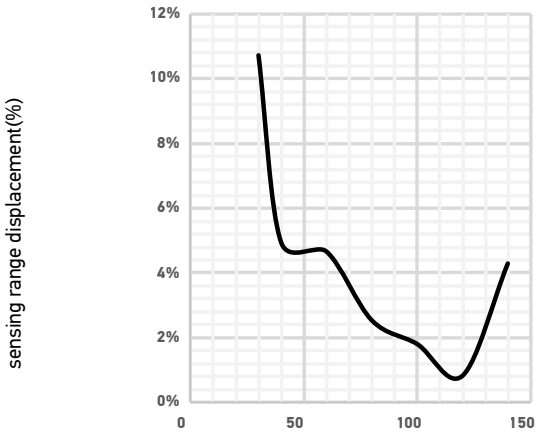
S3N - PH - * - M03 - **

Blind Zone vs sensing distance



setup distance on target white 90% remission (mm)

Sensing range displacement

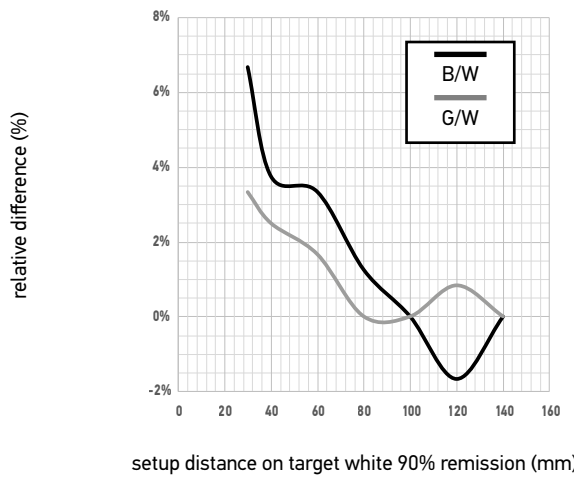


setup distance on target white 90% remission (mm)

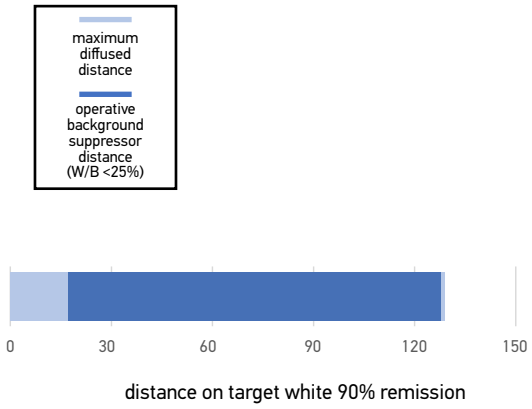
RESPONSE DIAGRAMS (LASER EMISSION)

S3N - PH - * - M03 - **

W90%/B06% and W90%/G18% Shift

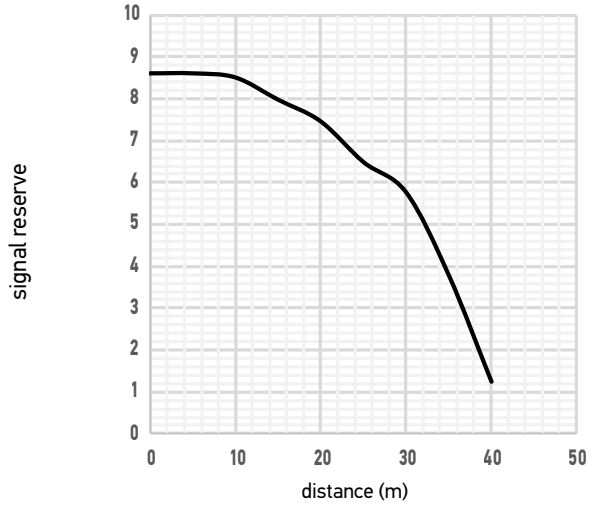


Operating distance



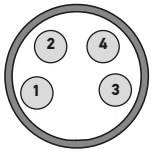
S3N - PH - * - FG** - **

Signal reserve



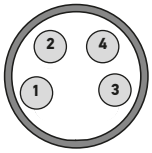
CONNECTION DIAGRAMS

S3N-P*-*-***-N*



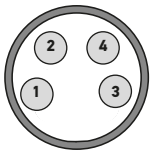
BN	1	+10...30 VDC
BK	4	NPN OUT
BU	3	0V
WH	2	NC

S3N-P*-*-***-P*



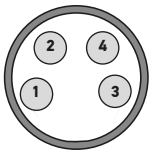
BN	1	+10...30 VDC
BK	4	PNP OUT
BU	3	0V
WH	2	NC

S3N-P*-5-*03-OZ



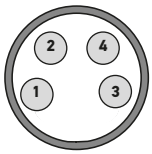
BN	1	+10...30 VDC
BK	4	C/Q
BU	3	0V
WH	2	NPN/PNP OUT

S3N-P*-*-G03-OZ



BN	1	PIN 1: 10...30 VDC
BK	4	PIN 4: C/Q
BU	3	PIN 3: 0 V
WH	2	PIN 2: NC

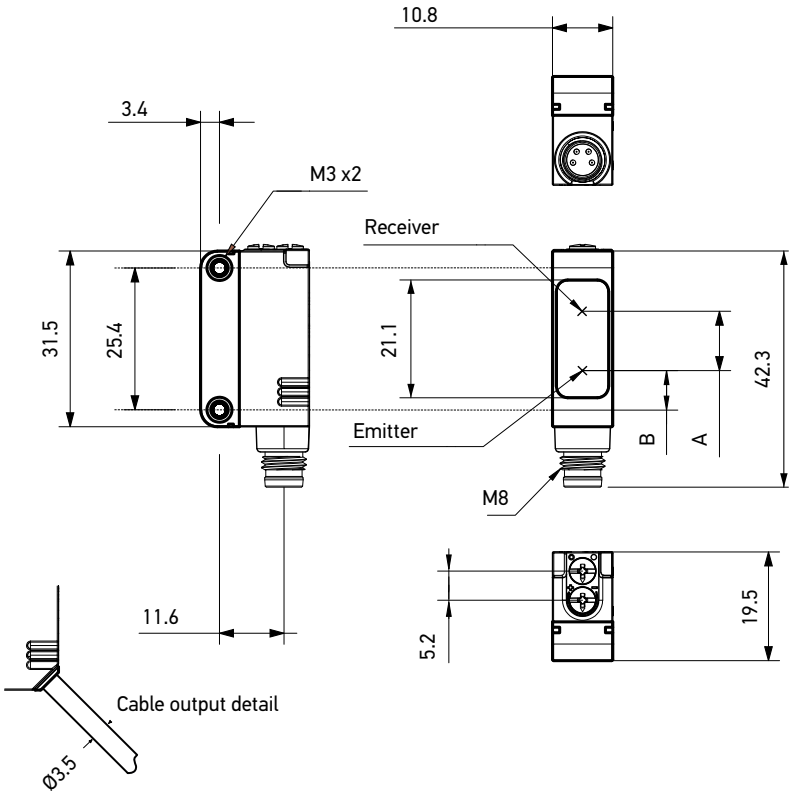
S3N-P*-*-G**-**



BN	1	PIN 1: 10...30 VDC
BK	4	PIN 4: TEST - (0 V or NC)
BU	3	PIN 3: 0 V
WH	2	PIN 2: NC

DIMENSIONS

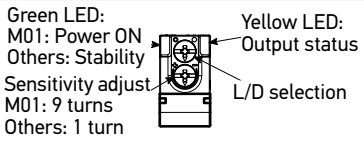
S3N-PR-*-***-**



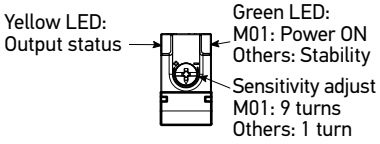
(mm)

User interface specifications

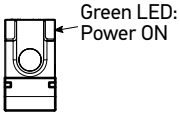
Dual trimmer Models



Single trimmer Models

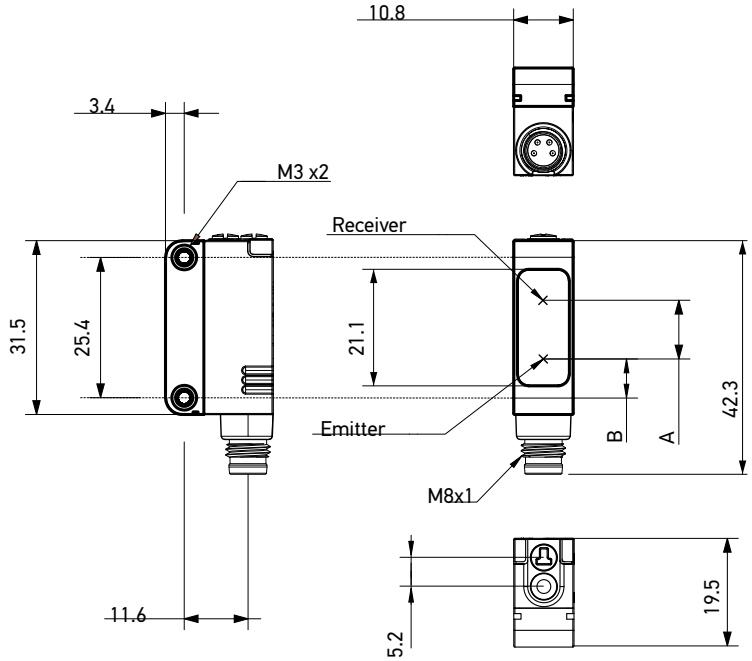


G01 model



version	A	B
S3N-PR-*-B0*-**	8.25	7.2
S3N-PR-5-T51-** (Coaxial optics)	0	17.2
S3N-PR-*-C0*-**	6.3	7.2
S3N-PR-*-C1*-**	7	7.2
S3N-PR-*-M03-**	7.2	10.2
S3N-PR-*-M01-**	10.65	7.2
S3N-PR-*-FG0*-** (EMITTER)	-	13.6
S3N-PR-*-FG0*-** (RECEIVER)	7	7.2

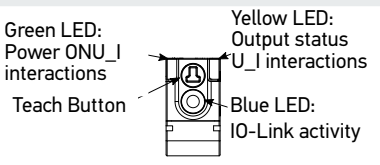
S3N-P*-5-****-0Z



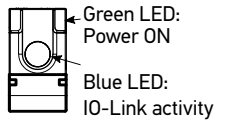
(mm)

User interface specifications

IO-Link models



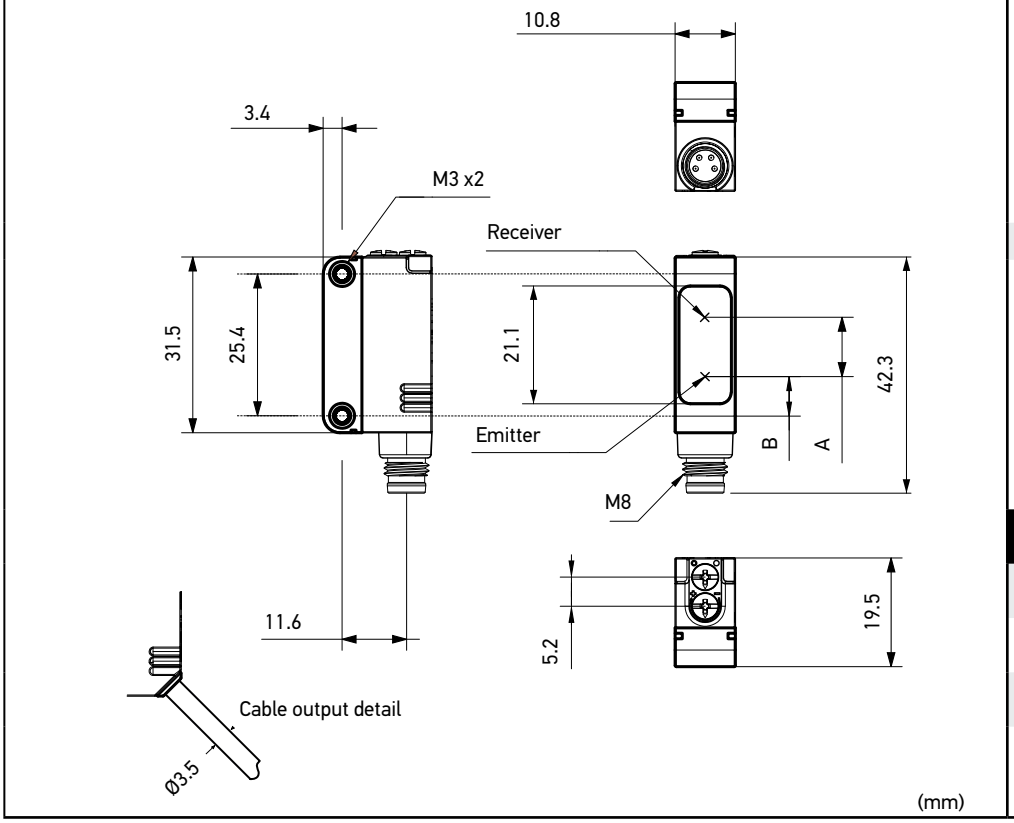
G03



version	A	B
S3N-PR-5-B03-0Z	8.25	7.2
S3N-PH-5-B03-0Z	6.2	7.2
S3N-PR-5-T53-0Z (Coaxial optics)	0	17.2
S3N-PR-5-C03-0Z	6.3	7.2
S3N-PR-5-C13-0Z	7	7.2
S3N-PR-5-M03-0Z	10.2	7.2
S3N-PH-5-M03-0Z	10.2	7.2
S3N-PR-5-FG03-0Z (EMITTER)	-	13.6
S3N-PH-5-FG03-0Z (EMITTER)	-	13.8
S3N-PX-5-FG03-0Z (RECEIVER)	7	7.2
S3N-PR-5-W03-0Z	7.2	7.5

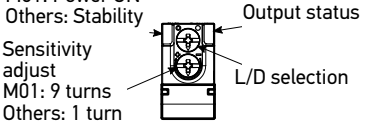
DIMENSIONS

S3N-PH-*-***-**

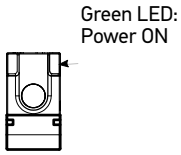


User interface specifications

Dual trimmer Models



G01 model



version	A	B
S3N-PH-*-B01-**	6.2	7.2
S3N-PH-*-M01-**	10.7	7.2
S3N-PH-*-FG01-** (EMITTER)	-	13.8
S3N-PH-*-FG01-** (RECEIVER)	14.2	-

ACCESSORIES

BRACKETS

MODEL	DESCRIPTION	ORDER NR.
ST-5039	L-shaped mounting bracket	95ACC2270
ST-5040	protection bracket with vertical mounting (only for cable versions)	95ACC2280
ST-5046	protection bracket with horizontal mounting	95ACC2370
S3Z-SLIT1	Ø 0,5 mm slit for through beam	95ACC2470
S3Z-SLIT2	Ø 1 mm slit for through beam	95ACC2480
S3Z-SLIT3	Ø 2 mm slit for through beam	95ACC2490
S3Z-SLIT4	0,5x18 mm slit for through beam	95ACC2500
S3Z-SLIT5	1x18 mm slit for through beam	95ACC2510
S3Z-SLIT6	2x18 mm slit for through beam	95ACC2520
ST-S3Z-M18	S3Z FIX BRK M18 THREADED NOSE	95ACC7850

REFLECTORS

MODEL	DESCRIPTION	ORDER NR.
R7 Reflector	R7 REFLECTOR RRX LASER 51X61MM M505-12	95A151360
R4 Reflector	R4-PLASTIC REFLECTOR -51X61MM	95A151340
ST-5046	protection bracket with horizontal mounting	95ACC2370

CABLES

MODEL	DESCRIPTION	ORDER NR.		
Axial M8 Connector	4-pole, grey, P.V.C.	3 m	CS-B1-02-G-03	95A251420
		5 m	CS-B1-02-G-05	95A251430
		7 m	CS-B1-02-G-07	95A251440
		10 m	CS-B1-02-G-10	95A251480
	4-pole, P.U.R.	2 m	CS-B1-02-R-02	95A251620
		5 m	CS-B1-02-R-05	95A251640
Radial M8 Connector	4-pole, grey, P.V.C.	3 m	CS-B2-02-G-03	95A251450
		5 m	CS-B2-02-G-05	95A251460
		7 m	CS-B2-02-G-07	95A251470
		10 m	CS-B2-02-G-10	95A251530
	4-pole, P.U.R.	2 m	CS-B2-02-R-02	95A251630
		5 m	CS-B2-02-R-05	95A251650
Axial M12 F/M8 M Connector	4-pole, double headed	3 m	CS-H1-02-B-03	95ACC0008