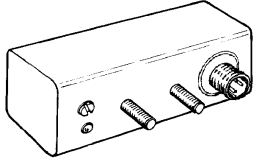
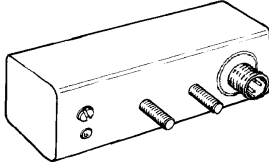
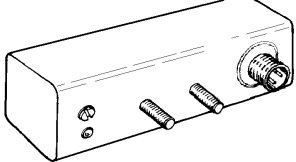


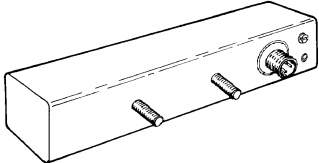
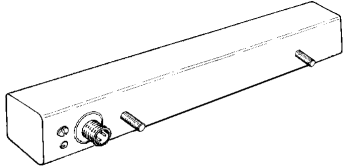
**Inductive
Sensor-Strips**
Itemgroup 240

Sensors to follow up material

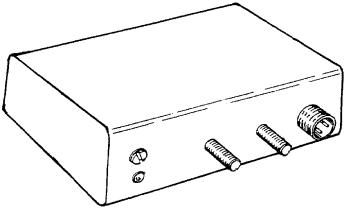
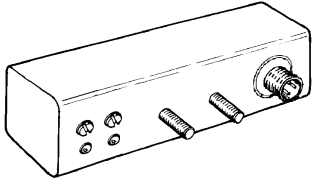
Supply - Counting - Coating - Movement - Jam - Sorting - Positioning

Inductive sensor strips of series IKU provide information concerning coverage of their active surface by metallic objects. Combining several sensor signals results in further information, e. g. as to size or velocity of the object. If the active surfaces are of different dimensions (e. g. IKU 022), additional features such as direction of movement of the objects can be identified.

Length:	80 mm	100 mm	150 mm
			
Sensing distance:	30 mm (target 80 x 50 mm) 8 mm (target 8 x 50 mm)	30 mm (target 100 x 50 mm) 8 mm (target 8 x 50 mm)	30 mm (target 150 x 50 mm) 8 mm (target 8 x 50 mm)
Target: Steel St37, 1 mm thick			
Adjustable:	yes (5 – 45 mm)	yes (5 – 45 mm)	yes (5 – 45 mm)
Dimension: L x W x H	80 x 35 x 35 mm	100 x 35 x 35 mm	150 x 35 x 35 mm
Fastening:	Bolt M5 x 15, distance 20 mm	Bolt M5 x 15, distance 20 mm	Bolt M5 x 15, distance 20 mm
Switching frequency:	50 Hz	50 Hz	50 Hz
Diagram of connection:	A	A	A
Output:	PNP n. c. + n. o.	PNP n. c. + n. o.	PNP n. c. + n. o.
Type:	IKU 008.28 G S4	IKU 011.28 G S4	IKU 015.28 G S4
Art.-No.:	2408B	2405G	2192P
Note:			

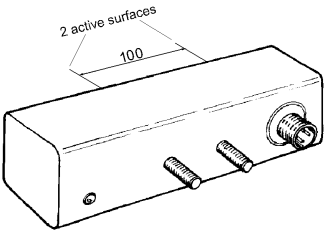
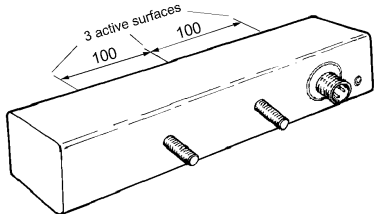
Length:	300 mm	500 mm	
			
Sensing distance:	30 mm (target 300 x 50 mm) 8 mm (target 8 x 50 mm)	30 mm (target 500 x 50 mm) 8 mm (target 8 x 50 mm)	
Target: Steel St37, 1 mm thick			
Adjustable:	yes (5 – 45 mm)	yes (5 – 45 mm)	
Dimension: L x W x H	300 x 35 x 35 mm	500 x 35 x 35 mm	
Fastening:	Bolt M5 x 15, distance 100 mm	Bolt M5 x 15, distance 270 mm	
Switching frequency:	50 Hz	30 Hz	
Diagram of connection:	A	A	
Output:	PNP n. c. + n. o.	PNP n. c. + n. o.	
Type:	IKU 031.28 G S4	IKU 051.28 G S4	
Art.-No.:	2451A	2452A	
Note:			

Additional lengths and construction forms on request.

Type:	Active surface 100 x 21 mm	2 response zones of different length Both outputs supply information on velocity, direction, material stop and indication of gaps of the handling path.
		
Sensing distance:	20 mm	15 mm
Target: Steel St37, 1 mm thick	100 x 50 mm	45 x 45 mm
Adjustable:	yes	yes
Dimension: L x W x H	100 x 21 x 60 mm	200 x 35 x 35 mm
Fastening:	Bolt M5 x 15, distance 20 mm	Bolt M5 x 15, distance 20 mm
Switching frequency:	50 Hz	50 Hz
Diagram of connection:	B	C
Output:	PNP n. o.	2 x PNP n. o.
Type:	IKU 010.23 G S4	IKU 022.28 G S4
Art.-No.:	2423A	2446A
Note:		The both response zones with lengths of 150 mm res. 50 mm can be set and evaluated separately.

Multi-zone sensors, addable

For monitoring handling width on smaller objects with reduced influence by metal environment. The sensors can be lined up without mutual influence so paths of random width can be monitored in a 100 mm grid. As soon as an active surface is covered, the output is through-connected. Complete monitoring is possible starting from material width of 75 mm.

Type:	2 active surfaces	3 active surfaces
		
Sensing distance:	15 mm	15 mm
Target: Steel St37, 1 mm thick	45 x 45 mm	45 x 45 mm
Adjustable:	no	no
Dimension: L x W x H	200 x 35 x 35 mm	300 x 35 x 35 mm
Fastening:	Bolt M5 x 15, distance 20 mm	Bolt M5 x 15, distance 100 mm
Switching frequency:	50 Hz	50 Hz
Diagram of connection:	B	B
Output:	PNP n. o.	PNP n. o.
Type:	IKU 023.23 G S4	IKU 032.23 G S4
Art.-No.:	2446B	2451B
Note:		

General technical data

Supply voltage	10 - 30 V DC	Location at metal	non flush
Ripple voltage	max. 15 %	Protection class	IP 67*
Voltage drop	2 V	Switching hysteresis	1 - 15 %
No-load current	< 10 mA	Ambient temperature	-25 to +70 °C
Load current max.	0 - 400 mA	Function display	LED
Short circuit protection	yes, pulsing	Housing material	plastic
Short-time load current	2 A / 10 ms 0,8 A / 100 ms	Connection	plug S4, M12 x 1

*Protection type IP 67 is complied with when the plug is perfectly connected with the socket and the protection screw for the setting unit is screwed in.

Diagram of Connections

A	3-wire PNP n. c. / n. o.	plug S4	
		4 = n. o. 2 = n. c.	
B	3-wire PNP n. o.	plug S4	
		4 = n. o.	
C	3-wire PNP n. o. / n. o.	plug S4	
		2 = n. o. 4 = n. o.	

Accessories

Suitable connection cable with injected S4 angular coupling, for all types (not included in the scope of delivery)	Type	Art.-No.
Length 2 m	ST 041-2	9841D
Length 5 m	ST 041-5	9841E

We can leave evaluation of the sensor signals to your SPS – or we programme the sensor μ -processor acc. to your application and your SPS is relieved.

Range of products



Since 1979 Proxitron has been developing and manufacturing sensors. Sturdy construction and continuous quality control guarantee maximum reliability

www.proxitron.de

**Itemgroup
Inductive proximity switch**

- WG 210 Sensing distance < 20 mm
- WG 220 Sensing distance 20-60 mm
- WG 230 Sensing distance 60-120 mm
- WG 240 Sensor strips
- WG 241 Surface sensors
- WG 250 Ring-sensors
- WG 260 Inductive analog sensors and evaluation electronics

**Itemgroup
Other Sensors**

- WG 100 Capacitive Sensors
- WG 510 Piros Light barriers
- WG 610 Piros Infrared-Sensors
- WG 620 Piros for fibre optics
- WG 800 Flow-sensors for air
- WG 830 Flow-sensors