

#### features

- Models with digital and analog output
- Models with IO-Link output
- · Working area adjusting by Teach-in button
- Complete protection against electrical damages
- Plastic housing, M12 plug exit



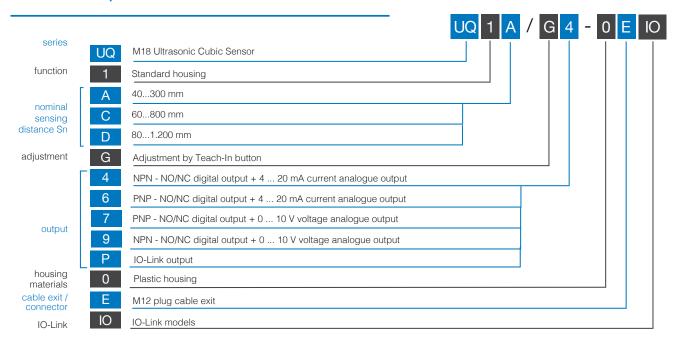
#### web contents



- Application notes
- Photos
- Catalogue / Manuals



### code description





## available models

digital + analog mixed outputs

output	distance (mm)	adjusting	PNP + 420 mA	NPN + 420 mA	PNP + 010 V	NPN + 010 V
direct diffuse	300	yes	UQ1A/G6-0E	UQ1A/G4-0E	UQ1A/G7-0E	UQ1A/G9-0E
	800		UQ1C/G6-0E	UQ1C/G4-0E	UQ1C/G7-0E	UQ1C/G9-0E
	1.200		UQ1D/G6-0E	UQ1D/G4-0E	UQ1D/G7-0E	UQ1D/G9-0E

## available models

single digital output (IO-Link models)

output	distance (mm)	adjusting	IO-Link
	300		UQ1A/GP-0EIO
direct diffuse	800	yes	UQ1C/GP-0EIO
	1.200		UQ1D/GP-0EIO

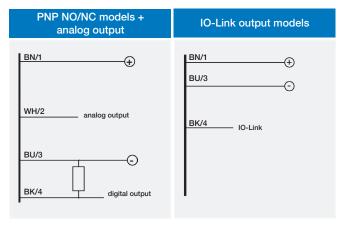
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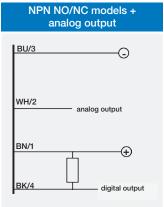
	UQ1A	UQ1C	UQ1D		
nominal sensing distance	300 mm <sup>(1)</sup>	800 mm <sup>(2)</sup>	1.200 mm <sup>(2)</sup>		
minimum sensing distance	40 mm	60 mm	80 mm		
sensing range	40300 mm	60800 mm	801.200 mm		
beam angle	7° ± 2° 8° ± 2°				
switching frequency	8 Hz	5 Hz	3 Hz		
hysteresis	1%				
repeatibility	1%				
linearity error	< 1 %				
temperature range	- 20°+70° C				
temperature compensation	•				
temperature drift of Sr	± 5%				
operating voltage	1030 V				
max. ripple content	5%				
leakage current	≤ 10 µA @ 30 Vcc				
output voltage drop	≤ 2,2 V (@ IL = 100mA)				
no-load supply current	≤ 35 mA				
ouput current (digital output)	100 mA				
response time analogue output	≤ 400 ms				
power on delay (digital output)	≤ 400 ms				
short-circuit protection		• (autoreset)			
induction protection	•				
voltage reversal protection					
EMC	conforming to EMC Directive, according to EN 60947-5-2				
weight	30 g				
LEDs	green: echo - yellow: output				
protection degree	IP67 (EN 60529)				
housing material		PBT or PA12			
active head material epoxy glass resin					
active head material		opony glade reem			

<sup>(1)</sup> Metallic target 100 x 100 mm  $\,$  (2) Metallic target 200 x 200  $\,$ 

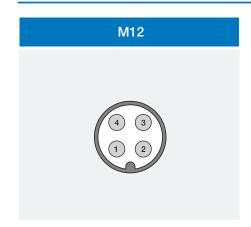


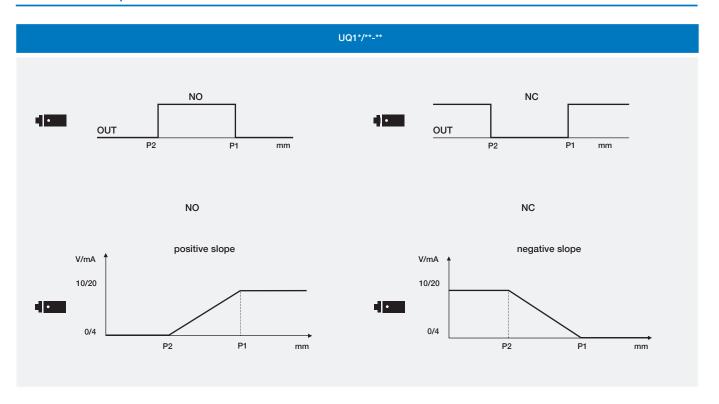
# electrical diagrams of the connections



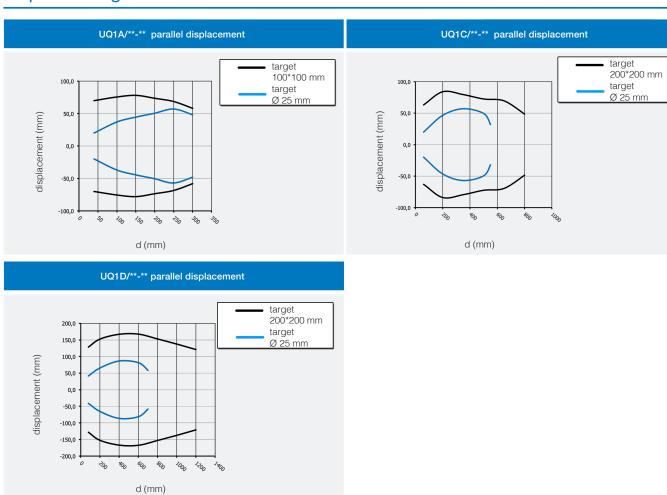


#### connectors

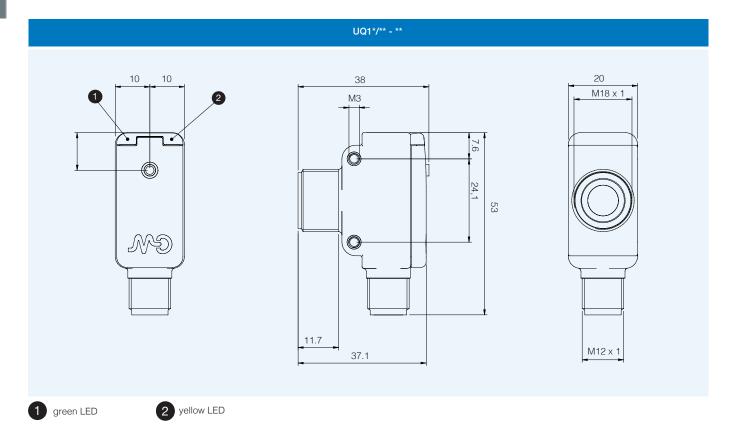




### response diagrams







### dimensions (mm)

included accessories

