

# NexSonic® ultrasonic sensors

Fast, compact, adaptive



## Optimal solutions:

- **Cutting edge technology**  
Adaptive sonic cone, shortest blind range, long sensing range, very compact, fast response time, smart filter functions, IO-Link
- **Know-How to support**  
Sensor solution partner with extensive experience in applications and in-depth technological expertise
- **Hundreds of variants to choose from**  
Cubic, cylindrical, measuring, switching, chemically resistant and much more

Function	Family	Housing	Sensing distance	Blind range	Reflector tolerance (min)	Response time (min)	Sonic cone
Proximity	U300.P50	Cubic, miniature	500 mm	15 mm	± 5%	16 ms	Wide Medium Narrow
	U500.PA0	Cubic, chemically resistant	1000 mm	20 mm		24 ms	
	UF200.P25	Cubic, ultra flat	250 mm	10 mm		10 ms	
	UF200.P50		500 mm	15 mm		16 ms	
	UF200.PA0		1000 mm	20 mm		24 ms	
	UR12.P50	Round, miniature	500 mm	15 mm		16 ms	
	UR18.PA0	Round, chemically resistant	1000 mm	20 mm		24 ms	
Retroreflective	U300.R50	Cubic, miniature	500 mm	± 5%	16 ms	Wide Medium Narrow	
	U500.RA0	Cubic, chemically resistant	1000 mm		24 ms		
	UF200.R25	Cubic, ultra flat	250 mm		10 ms		
	UF200.R50		500 mm		16 ms		
	UF200.RA0		1000 mm		24 ms		
	UR12.R50	Round miniature	500 mm		16 ms		
	UR18.RA0	Round, chemically resistant	1000 mm		24 ms		
Distance	U300.D50	Cubic, miniature	500 mm	15 mm	± 5%	16 ms	Wide Medium Narrow
	U500.DA0	Cubic, chemically resistant	1000 mm	20 mm		24 ms	
	UF200.D25	Cubic, ultra flat	250 mm	10 mm		10 ms	
	UF200.D50		500 mm	15 mm		16 ms	
	UF200.DA0		1000 mm	20 mm		24 ms	
	UR12.D50	Round, miniature	500 mm	15 mm		16 ms	
	UR18.DA0	Round, chemically resistant	1000 mm	20 mm		24 ms	
Through-Beam	U300.EA0	Cubic, miniature	1000 mm	± 5%	2 ms	Distance setting Long Medium Short	
	U500.EB0	Cubic, chemical robust	2000 mm		9 ms		
	UF200.EA0	Cubic, ultra flat	1000 mm		2 ms		
	UF200.EB0		2000 mm		9 ms		
	UR12.EA0	Round, miniature	1000 mm		2 ms		
	UR18.EB0	Round, chemical robust	2000 mm		9 ms		

