

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)	Settings
Proximity	U300.P50	Cubic, miniature	500 mm	15 mm		16 ms	Sonic cone: Wide Medium Narrow
	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	
	UF300.P25	Cubic, ultra flat	250 mm	10 mm		10 ms	
	UF300.P50		500 mm	15 mm		16 ms	
	UF300.PA0		1000 mm	20 mm		24 ms	
	UF300.PC0		3000 mm	50 mm		56 ms	
	UR12.P50	Round, miniature	500 mm	15 mm		16 ms	
Retroreflective	U200.R50	Cubic, miniature	500 mm		± 5%	16 ms	Sonic cone: Wide Medium Narrow
	UF200.R25	Cubic, ultra flat	250 mm			10 ms	
	UF200.R50		500 mm			16 ms	
	UF200.RA0		1000 mm			24 ms	
	UF300.RA0	Cubic, ultra flat	1000 mm			24 ms	
	UF300.PC0		3000 mm			56 ms	
	UR12.R50	Round miniature	500 mm			16 ms	
Distance	U300.D50	Cubic, miniature	500 mm	15 mm		16 ms	Sonic cone: Wide Medium Narrow
	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	
	UF300.D25	Cubic, ultra flat	250 mm	10 mm		10 ms	
	UF300.D50		500 mm	15 mm		16 ms	
	UF300.DA0		1000 mm	20 mm		24 ms	
	UF300.DC0		3000 mm	50 mm		56 ms	
	UR12.D50	Round, miniature	500 mm	15 mm		16 ms	
Through-Beam	U300.EA0	Cubic, miniature	1000 mm			2 ms	Distance: Long Medium Short
	UF200.EA0	Cubic, ultra flat	1000 mm			2 ms	
	UF200.EB0		2000 mm			9 ms	
	UF300.EA0	Cubic, ultra flat	1000 mm			2 ms	
	UF300.EB0		2000 mm			9 ms	
	UR12.EA0	Rund, Miniatur	1000 mm			2 ms	

