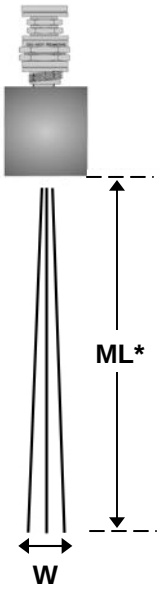
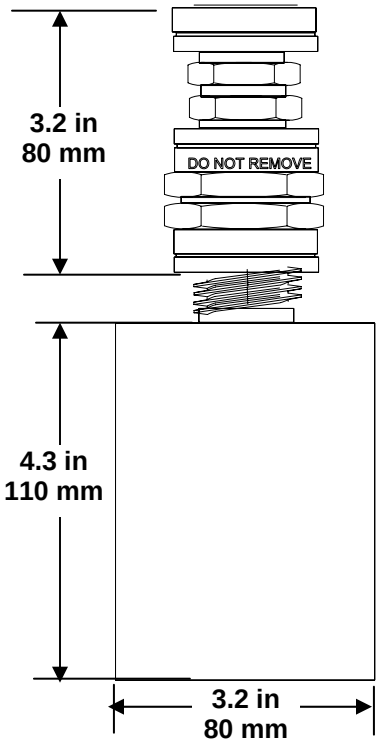
www.ktekcorp.com

KSONIK™

Ultrasonic Transmitter Transducers & Accessories

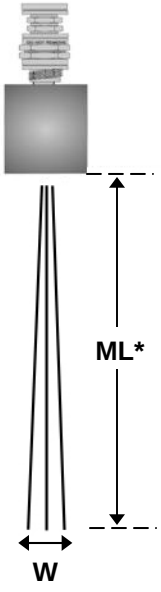
K10C General Purpose

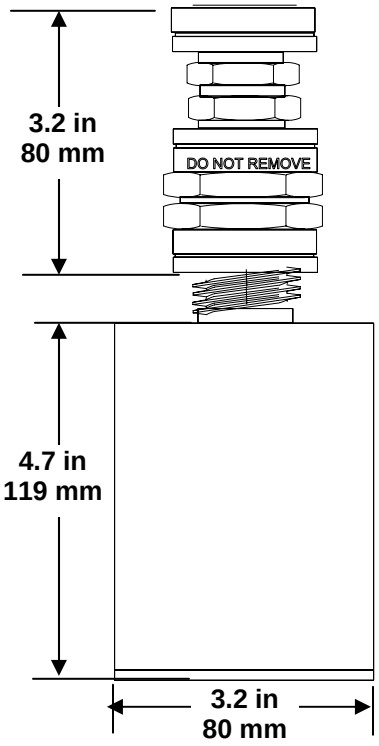




Maximum Measuring Length (ML)	49.2 ft / 15 m
Typical Beam Width (W)	2.33 ft / .71 m

K10FC Solids Applications

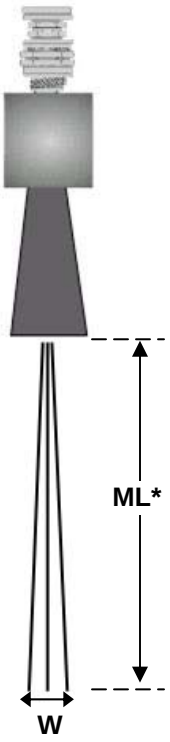


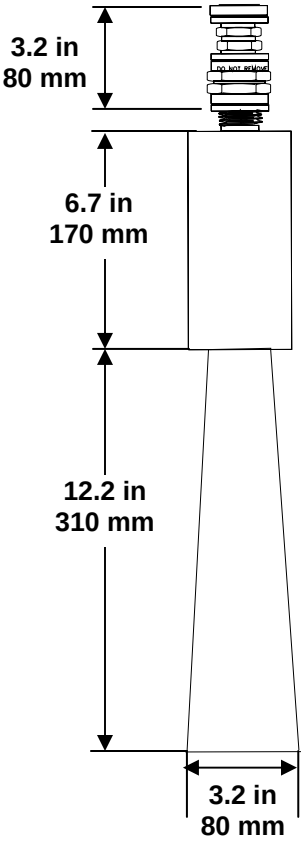


Maximum Measuring Length (ML)	49.2 ft / 15 m
Typical Beam Width (W)	2.33 ft / .71 m

*** Consult Transducer Description & Range Details for Liquids & Solids Application Details. Proper Transmitter Selection May Also Improve Transducer Rangeability.**

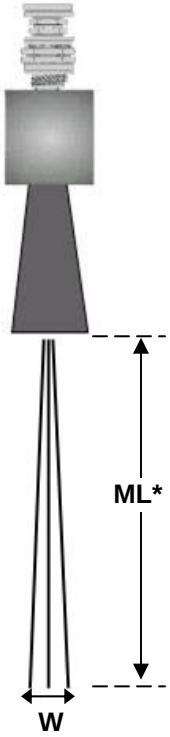
K20C Intermediate Range

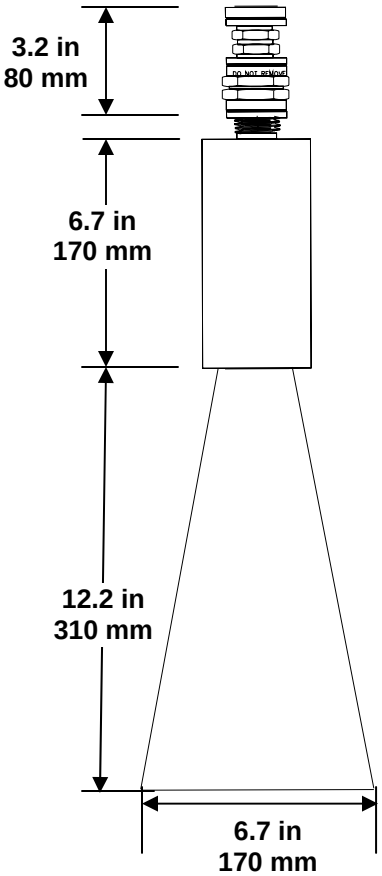




Maximum Measuring Length (ML) 99 ft / 30 m
Typical Beam Width (W) 15.75 ft / 4.8 m

K20HC Intermediate Range with Dust

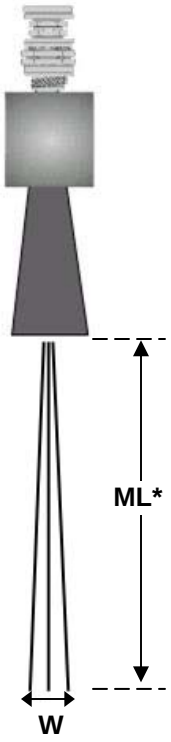


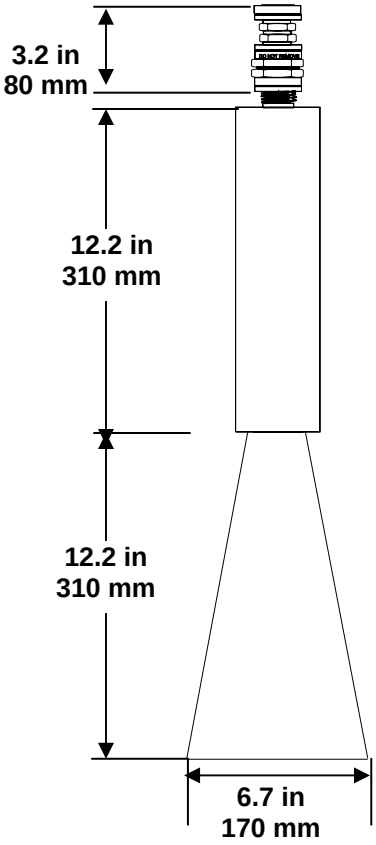


Maximum Measuring Length (ML) 99 ft / 30 m
Typical Beam Width (W) 15.75 ft / 4.8 m

*** Consult Transducer Description & Range Details for Liquids & Solids Application Details. Proper Transmitter Selection May Also Improve Transducer Rangeability.**

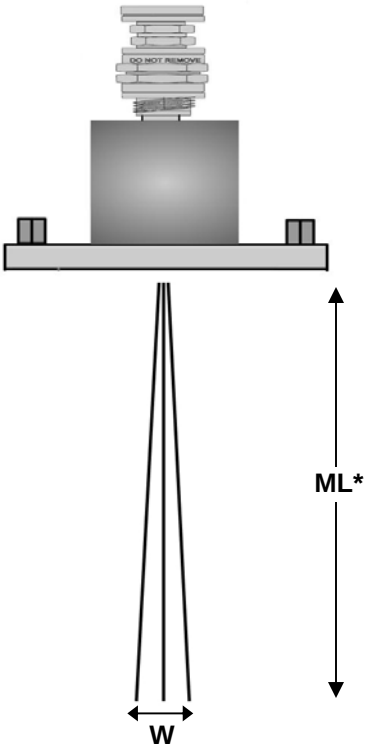
K60C Long Range

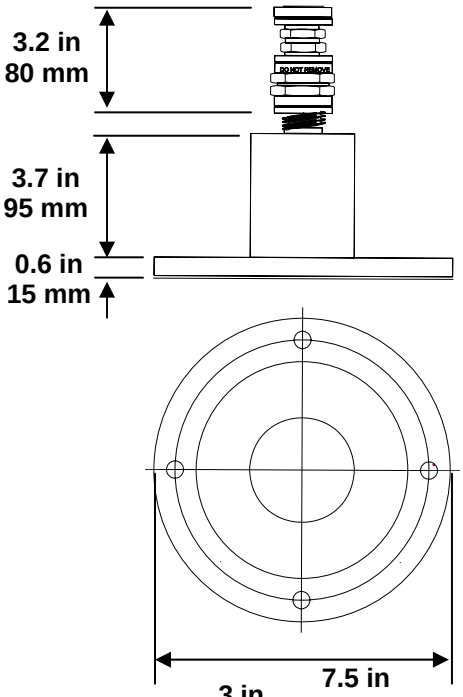




Maximum Measuring Length (ML) 197 ft / 60 m
Typical Beam Width (W) 14.8 ft / 4.5 m

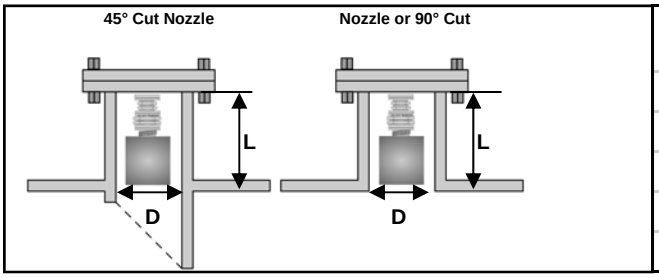
K10T3C PTFE Lined Transducer, 3 inch Flange
K10T4C PTFE Lined Transducer, 4 inch Flange





Maximum Measuring Length (ML) 49.2 ft / 15 m
Typical Beam Width (W) 2.33 ft / .71 m

*** Consult Transducer Description & Range Details for Liquids & Solids Application Details. Proper Transmitter Selection May Also Improve Transducer Rangeability.**



D (in. / mm)	45° CUT NOZZLE Maximum Length (L)			D (in. / mm)	NOZZLE OR 90° CUT Maximum Length (L)		
	K10	K20	K60		K10	K20	K60
3 in. 80 mm	19 in. 490 mm	not applicable	not applicable	3 in. 80 mm	8 in. 200 mm	not applicable	not applicable
4 in. 100 mm	22 in. 550 mm	30 in. 750 mm	not applicable	4 in. 100 mm	10 in. 250 mm	26 in. 650 mm	not applicable
6 in. 150 mm	60 in 1500 mm	76 in. 1900 mm	not applicable	6 in. 150 mm	15 in. 380 mm	60 in. 1500 mm	not applicable
8 in. 200 mm	80 in. 2000 mm	100 in. 2500 mm	consult factory	8 in. 200 mm	15 in. 380 mm	72 in. 1800 mm	consult factory
10 in. 250 mm	100 in. 2500 mm	124 in. 3100 mm	consult factory	10 in. 250 mm	24 in. 600 mm	92 in. 2300 mm	consult factory

Nozzle Installation: The KSONIK Transducer must be installed at a height so that the blanking distance is not interfered with, even at the maximum fill level. A pipe nozzle can be used if you cannot obtain the blanking distance in any other way or if a nozzle is pre-existing on a tank structure. The interior of the nozzle must be smooth with no edges, welded joints or burrs on the inside of the tank side nozzle end. Best results are achieved with a 45°cut nozzle. The Transducer may not function correctly if the blanking distance is not above the maximum level measured.

Transducer Material & Ratings

Trans	Min Bkg	Frq. KHz	Beam Angle	Facing Material	Body Material	IP Protection	Temp Range	Mounting
K10C	1 ft. 0.3 m	44	11°	Polyurethane	PVC	IP68	-4 to 176°F -20 to 80°C	1 in. MNPT
K10T3C	1 ft. 0.3 m	44	11°	PTFE	PVC	IP68	-4 to 176°F -20 to 80°C	3" Flange
K10T4C	1 ft. 0.3 m	44	11°	PTFE	PVC	IP68	-4 to 176°F -20 to 80°C	4" Flange
K10FC	1 ft. 0.3 m	44	11°	Polyurethane Foam	PVC	IP68	-4 to 176°F -20 to 80°C	1 in. MNPT
K20C	3 ft. 1 m	15.4	9°	Polyurethane Foam	PVC	IP62	-4 to 176°F -20 to 80°C	1 in. MNPT
K20HC	3 ft. 1 m	15.4	9°	Polyurethane Foam	PVC	IP62	-4 to 176°F -20 to 80°C	1 in. MNPT
K60C	5 ft. 1.5 m	12.5	8°	Polyurethane Foam	PVC	IP62	-4 to 176°F -20 to 80°C	1 in. MNPT

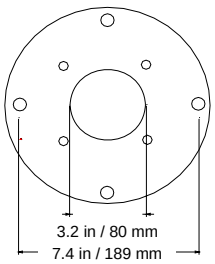
Transducer Description & Ranges

Trans	Description	KSONIK I		KSONIK III	
		Liquids	Solids	Liquids	Solids
K10C	General Purpose	49.2 ft. 15 m	16 ft. 5 m	49 ft. 15 m	16 ft. 5 m
K10T3C	PTFE Lined Transducer with flange	49.2 ft. 15 m		49 ft. 15 m	16 ft. 5 m
K10T4C	PTFE Lined Transducer with flange	49.2 ft. 15 m		49 ft. 15 m	16 ft. 5 m
K10FC	Solid Applications		49.2 ft. 15 m	49 ft. 15 m	49 ft. 15 m
K20C	Medium Range			99 ft. 30 m	99 ft. 30 m
K20HC	Medium Range with Dust			99 ft. 30 m	99 ft. 30 m
K60C	Long Range			197 ft. 60 m	197 ft. 60 m

***NOTE:* All transducers are temperature compensated.**

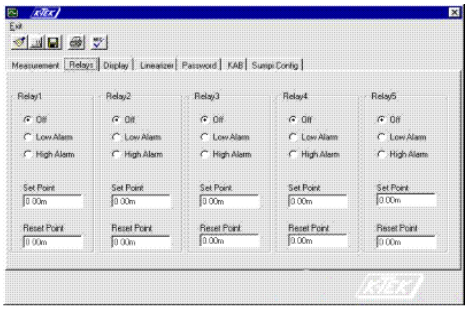
AKIT - Aiming Kit (304SS)

It is recommended that an aiming kit be used when the transducer is used on a solids application. It allows positioning of the transducer to maximize the return signal.



KSCOPE - KSONIK Scope Software

Multi-use Windows based software package. Allows programming and bin mapping. Can also help set up a KSONIK I or III in just a few minutes and is downloadable from the K-TEK website.



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