

# SONDES

## *Transmitting and Flexi-Sondes*

For 10 years, Metrotech has been designing and manufacturing Sondes - self-contained signal transmitters used to trace the path of a non-metallic line, locate line blockages, track cleaning and inspection equipment, and monitor the path of boring equipment. Today Metrotech has 12 versions of Sonde technology available.

Metrotech's unique bendable Flexi-Sonde enables it to bend around corners and curves as it makes its way down the sewer or duct. Transmitting Sondes are available in a variety of frequencies, operating power, and size.

Metrotech Sonde's are designed to work with Metrotech's complete line of locators, receivers, and safety tools.



Rugged, high powered tools, perfect for locating cast iron or non-conductive pipe

Transmitting Sondes available in four operating frequencies, medium or high power

Flexi-Sondes are made of durable plastic interconnected by flexible metal springs

Waterproof, fully repairable construction

Air Range of 8 to 30 feet depending on type of Sonde, frequency, and prevailing condition



**METROTECH**<sup>®</sup>

see beneath the surface

### *Service Center, Ordering, and Technical Support Information*



• **Corporate Headquarters**  
**Western U. S. Service Center**  
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**Eastern U. S. Service Center**  
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# Transmitting Sonde

Large

	SONH982	SONH9.8K	SONH82K	SONH83K
Frequency	982Hz	9.82kHz	82kHz	83kHz
Power Level	High	High	High	High
Battery Type	9V	9V	9V	9V
Battery Life	9 hrs.	14 hrs.	32 hrs.	30 hrs.
Range in Air	15 ft. (4.57m)	20ft. (6.10m)	30ft. (9.14m)	30ft. (9.14m)
Applications	Cast Iron Pipe	Cable Ducts, Plastic, Clay	Clay, Concrete, Pipe, Plastic	Clay, Concrete, Pipe, Plastic
Compatible Instruments	9890 XT™	9890 XT™, 9860 XT™, 850	9890 XT™, 9860 XT™	810, 510, 480B
Dimensions	2≤diameter x 6.5≤long (5.08 cm x 16.51 cm)			
Weight (w/battery)	13.5 oz (.38 kg)			
Operating Temp.	-4° to 120° F (-20° to +50° C)			
Mechanical Coupling	1/4 x 20 UNC thread			



Large

# Transmitting Sonde

Small

	SON9.82K	SON834	SON830	SON35K
Frequency	9.82kHz	83.4kHz	83kHz	35kHz
Applications	Cable Ducts, Plastic	Clay, Concrete, Pipe, Plastic	Clay, Concrete, Pipe, Plastic	Clay, Concrete, Pipe, Plastic
Compatible Instruments	9890 XT™, 9860 XT™, 850	480	810, 510, 480B	ARROW™
Battery Type	5.6 V Metal-Oxide Pack (P/N 162670)			
Battery Life	15 to 50 hours			
Range in Air	Optimum conditions: 8 feet (2.44 m)			
Dimensions	.875≤diameter x 4.5≤long (2.2 cm x 11.43 cm)			
Weight (w/battery)	5 ounces (140 gm)			
Operating Temp.	-4° to 120° F (-20° to +50° C)			
Mechanical Coupling	1/4 x 20 UNC thread			



Small

# Sonde

Flexi-

	FS982HZ	FS9.82KHZ	FS82KHZ	FS83KHZ	FS35KHZ
Frequency	982Hz	9.82kHz	82kHz	83kHz	35kHz
Applications	Cable Ducts, Plastic, Clay	Cable Ducts, Plastic, Clay	Clay, Concrete, Pipe, Plastic	Clay, Concrete, Pipe, Plastic	Clay, Concrete, Pipe, Plastic
Compatible Instruments	9890 XT™	9890 XT™, 9860 XT™, 850	9890 XT™, 9860 XT™	810, 510, 480B	ARROW™
Range in Air	12 ft. (3.66m)	15 ft. (4.57 m)	20 ft. (6.10 m)	15 ft. (4.57 m)	18 ft. (5.49 m)
Battery Type	AA				
Dimensions	1.83≤diameter x 23≤long (4.65 cm x 58.42 cm)				
Weight (w/battery)	1.02 pounds (.46 kg)				
Operating Temp.	-4° to 120° F (-20° to +50° C)				
Mechanical Coupling	1/4 x 20 UNC thread				



Flexi-

