



BASE UNIT	
enclosure	corrosion resistant material
mount	flange
power	
120-240vac	single phase
3 amp max	input voltage dependant
environment	
moisture	IP67 (NEMA-4x) weatherproof
temperature	-13°f to +131°f (-25°c to 55°c)
display	
touch screen	6-inch
monochrome	LCD graphics
operator controls	
sensitivity	variable low to high
maintenance mode	channel outputs disabled during maintenance
detect delay	transient detection filter
indicators	
sample density	bargraph 0-100 units
probe sensitivity	numerical 1-99 units
probe delay time	numerical 1-99 units
maintenance delay time	numerical 1-99 minutes
maintenance last date	numerical 1-999 days
Navigation buttons	numerical 1-999 days
output	
SCADA relay	5-pin connector
System status	system normal and active
Channel-1 status	interface detect, trigger, active
Channel-2 status	interface detect, trigger, active
System fault	fault code
Maintenance mode	channel output disabled
calibration	factory sealed (no recal required)
PROBE	
model	SID-10703
construction	
material	epoxy encapsulation
technology	IRED emitter/detector
sensor gap	0.780" (20mm)
lenses	polycarbonate
range min	100-2,000 mg/l (varies)
range max	100-10,000 mg/l (varies)
height	4.25" (107.00mm)
width	3.25" (82.55mm)
depth	1.187" (30.15mm)
circular envelope	3.25" (85.73mm)

FIXED BASE SLUDGE INTERFACE DETECTOR SID-10700-2CH

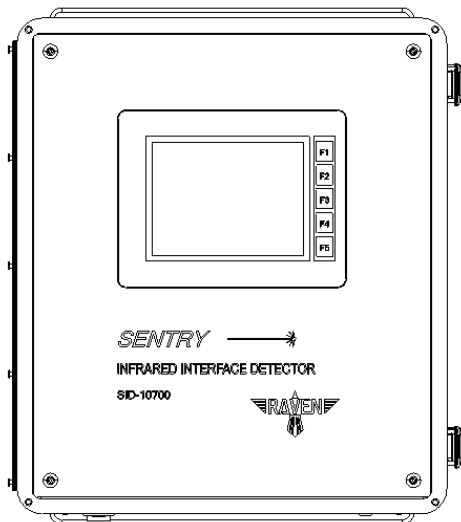
weight	18.5oz	(525g)
moisture	IP68	
temperature	15°f to +140°f	(-20°c to +60°c)
color	black	
CABLE		
environmental		
moisture	IP68	
temperature	15°f to +140°f	(-20°c to +60°c)
length	20 to 100 ft.(6.1M to 30.42M)	
markings	1-ft increment depth markers	
REPLACEMENT PARTS		
cable assembly with probe	20-ft P/N SID-10703-20 30-ft P/N SID-10703-30 40-ft P/N SID-10703-40 50-ft P/N SID-10703-50 100-ft P/N SID-10703-100	

Description - Probe

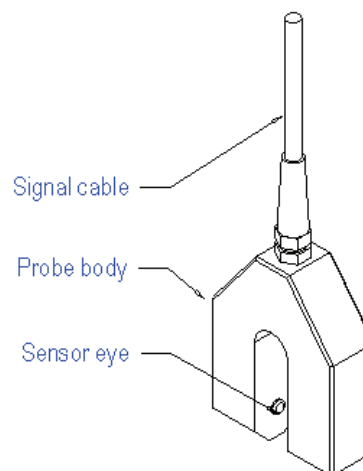
The Raven IRED sensor probe electronics are encapsulated in durable watertight epoxy resin and instrumented with a polyethylene signal cable built to withstand wet environments and rough handling. Replacement Probe assembly are suitable for field replacement and available in multiple cable lengths up to 100-feet (probe, cable, strain relief and connector included).

SID-10703 probe detects bottom and floating sludge blankets in primary, clarifiers and basins.

SID-10700



SID-10703



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