

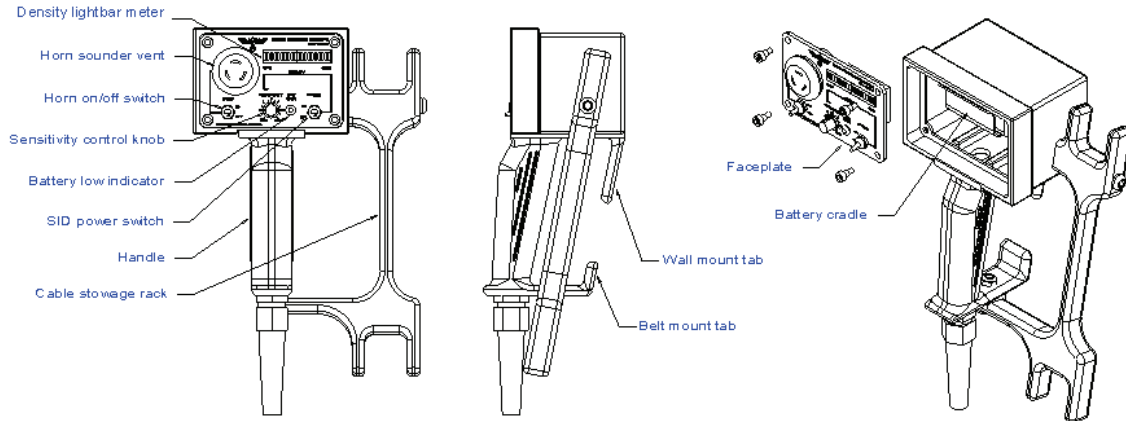


<b>HANDHELD UNIT</b>	
<b>construction</b>	glass-filled polyamide
width	4.25" (108mm)
length	8.0" (203mm)
height	3.25" (82.5mm)
weight	27.9 oz (790g)
color	yellow
<b>faceplate</b>	1/8" aluminum plate
<b>environment</b>	
moisture	IP67 (NEMA-4x) weatherproof
temperature	-5°f to +158°f (-20°c to 70°c)
<b>power supply</b>	
battery standard	6 x AA cells (standard alkaline)
battery life (typical)	3 months
<b>operator controls</b>	
power	on/off
horn	on/off
horn	volume control
sensitivity	variable low to high
<b>indicators</b>	
density meter	sunlight visible LED lightbar
horn	70db max
battery low	illuminates flasher
<b>calibration</b>	factory sealed (no recal required)
<b>PROBE</b>	
<b>model</b>	SID-10203
<b>construction</b>	
material	epoxy encapsulation
technology	IREM 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	4.125" (105mm)
width	3.0" (77mm)
depth	1.0" (25.4mm)
circular envelope	3.25" (82.5mm)
weight	12.3 oz (350g)
color	black
<b>CABLE ASSEMBLY</b>	
<b>environmental</b>	
moisture	IP68
temperature	15°f to +140°f (-20°c to +60°c)
<b>length</b>	20 to 50 ft.(6.1M to 15.2M)
<b>markings</b>	1-ft increment depth markers
<b>REPLACEMENT PARTS</b>	
<b>cable assembly with probe</b>	20-ft P/N SID-10203-20 30-ft P/N SID-10203-30 40-ft P/N SID-10203-40 50-ft P/N SID-10203-50

## SLUDGE INTERFACE DETECTOR SID-10200

### **Description - Handheld Unit**

The Raven SID-10200 Sludge Interface Detector (SID) is a rugged portable field instrument specifically designed to detect sludge density and measure sludge blanket elevation in sedimentation tanks and clarifiers. Precision electronics provide operator sensitivity adjustments and the latest IRED technology enable accurate and repeatable measurements. Operator features like single-handed operation, belt clip and on-board cable stowage make it easy to use. Aluminum faceplate, polyimide case and weatherproof components create a durable instrument for industrial environments.



### **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 50-feet (probe, cable, strain relief and connector included).

SID-10203 probe detects bottom and floating sludge blankets in primary, clarifiers and basins.

