



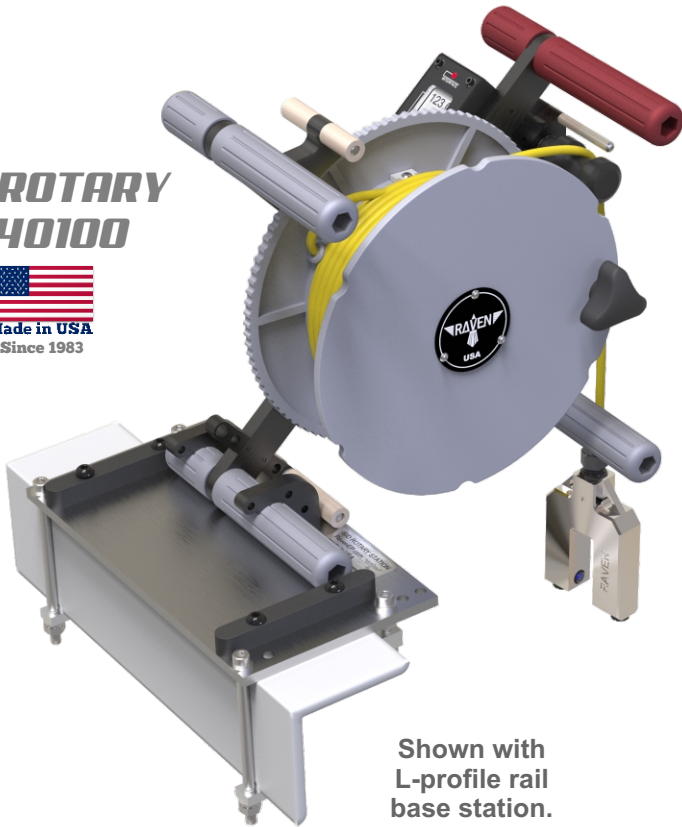
Sludge Level Measurements

NO OVERHEAD DRIPS

NO TOUCHING WET SURFACES

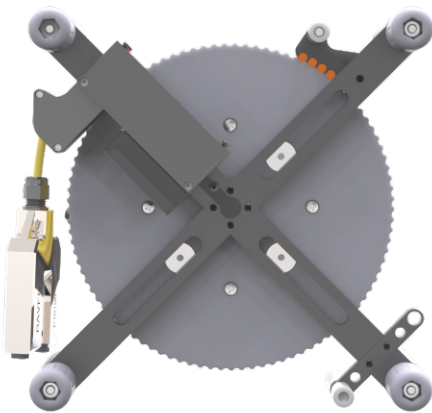
The New Model with Digital Counter

SID ROTARY
S-40100



Shown with
L-profile rail
base station.

- ➔ **Simple** - release the probe and reel it in
- ➔ **Sanitary** - no need to touch wet surfaces
- ➔ **Accurate** - New digital counter shows sludge elevation in inches
- ➔ **Lightweight** - portable to service multiple tanks
- ➔ **Durable** - stainless steel infrared sensor for long lasting performance
- ➔ **Repeatable** - rail mounted base stations ensure accurate measurements



DURABLE



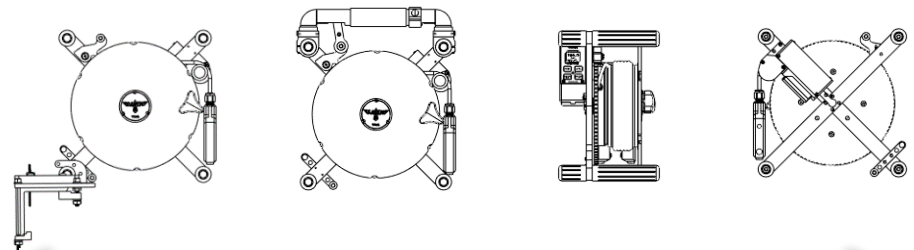
PRECISE

SPECIFICATIONS RAVEN model: S-40100

SID ROTARY	
model	S-40100
features	
portable	service multiple locations
digital backlit display	day and night visibility
depth counter	precise probe travel displayed inch or cm
robust	cage protects instrument from impact
light weight	built for operator comfort and it floats
probe auto-release	emergency probe disconnect
weather resistant	rain or shine operation
operator sanitation	never touch wet surfaces
construction-structure	
cage frame	aluminum 6061, hard-anodized
kickstand	aluminum 6061, hard-anodized
rotary drum	plastic filament PETG
hand bars	plastic filament PETG
base station plate	aluminum 6061, hard-anodized
base station claw	aluminum 6061, hard-anodized
dimensions	
width	9.500" (24.13 cm)
length	9.500" (24.13 cm)
depth	6.375" (16.19 cm)
weight w/o probe assy	3.5 lbs. (1.587 kg)
weight with 30 ft. probe	5.3 lbs. (2.4 kg)
environment	
moisture	IP67 (NEMA-4x) weatherproof
temperature	-15°F to +130°F (-26°C to 54°C)
power supply	
battery standard	3 x AAA cells (no tools req)
battery life (typical)	6 months
operator controls	
power button	on/off
horn button	on/off (70 db/silence)
sensitivity button	low, medium, high
zero button	counter reset
rotary knob	probe deployment / retrieval
rotary brake	probe hold elevation
indicators	
LCD display screen	night time visible backlit display
LED Interface alert	sunlight visible LED
probe travel counter	distance in inch and centimeter
Sensitivity status	low, medium, high
horn status	on/off
battery low	automatic alert
calibration	
factory	Factory sealed (no cal required)

OPTIONAL EQUIPMENT	
free-style handle	S-40-170
universal base station	S-40-163
round base station	S-40-162
T-rail base station	S-40-161
L-rail base station	S-40-160

PROBE	
model	P-10100
construction	
material	stainless steel 304
technology	IREM emitter/detector
sensor gap	0.780" (20mm)
lens	polycarbonate, clear
range - min sensitivity	100-2,000 mg/l (varies)
range - max sensitivity	100-10,000 mg/l (varies)
height	3.50" (88.9mm)
width	2.45" (62.2mm)
depth	0.75" (19.0mm)
circular envelope	2.55" (64.7mm)
weight	17.64 oz. (500g)
color	metallic
CABLE	
environmental	
moisture	IP68
temperature	-15°F to +140°F (-26°C to +60°C)
length	30 ft. (9.1M) & 50 ft. (15.24M)
jacket	
color	polyurethane yellow
connector	
internal	pin quick-disconnect type



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