

# Shaft Area Profile Evaluator for Dry Holes (SHAPE® AIR) Specifications

## SHAPE AIR Sensor Unit

### Size

723 x 254 mm (28.5 x 10 in)

### Weight

20.8 Kg (46 lbs.)

### Material

Stainless Steel, Aluminum and PVC

### Temperature Range

Operating -20° to 55°C (-4° to 131° F); Storage -40° to +85° C (-40° to 185° F)

### Power

1.75 hours of continuous usage with external 12V battery  
8 – LIDAR Stereo Depth Cameras  
1 – Laser Distance Sensor  
1 – Inertial Measurement Unit (IMU)  
1 – High-precision Fluxgate Magnetometer  
Radial Measurement Accuracy down to 1.58 mm (0.0625 in)

## Main Unit

### Size

320 X 250 X 68 mm (12.6 x 9.8 x 2.7 in)

### Weight

5 Kg (11 lbs.)

### Temperature range

Operating 0° to 40°C (32° to 104° F; Storage: -20° to 65°C (-4° to 149° F)



## Display

26.4cm (10.4 in), sunlight readable, resolution 1024 X 768; capacitive touch screen

## Video Outputs

HDMI

## Battery Power

4-hour continuous data collection 12V battery +  
back-up battery standard

## Charging time

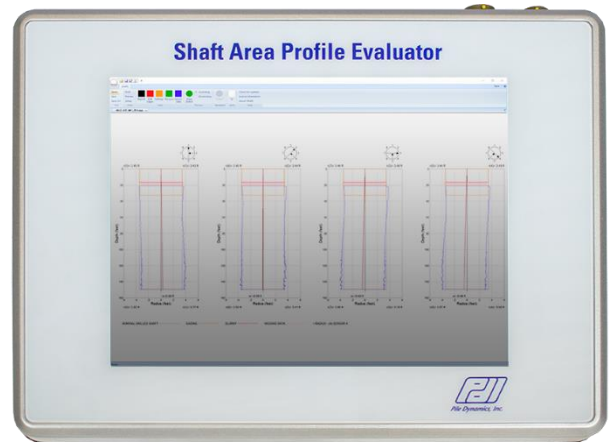
6-hour max; 120/240 charger input voltage

## Operating System

Microsoft Windows® 10 or higher IoT Enterprise  
LTSC

## Data storage and ports

256 GB or larger SSD internal drive; Ethernet port; 4 USB ports



## Shaft Criteria

### Minimum Shaft Diameter

50 cm (20 in)

### Maximum Shaft Diameter

6 m (20 ft)

### Maximum Shaft Length

150 m (492 ft)

## Other

Data Collection in Dry Holes Only

Units of operation: English, SI, or Metric

Full one-year warranty on parts and labor

Technical manual provided in PDF form on a USB