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Geophysical Equipment

Keck Hole Caliper Logging System

The Keck Hole Caliper Logging System provides measurements for the exploration and detection of subsurface changes. Typical applications include: determining fracture zones in bedrock; locating washouts at casing bottoms or packer installations; measuring inside well screens to detect collapses or corrosion; locating joints in casing for verifying specifications; determining diameter of the well for flow measurements; and taking dimensions of holes for cast-in-place concrete piles to compute the volume of concrete needed.

FEATURES

- **Develops data needed for correct interpretation of other geophysical logs**
- **Spring-loaded arms spaced on 120º intervals, designed to swing out to touch the borehole wall**
- **Movement of any one of the arms send an electrical signal that registers on the above-ground meter**
- **A 500ft conductor cable connects the sensor to the meter**
- **The meter converts the electrical signals of the sensor into a direct reading of the borehole diameter as the sensor is moved up the hole.**

Keck Hole Caliper Logging System

SPECIFICATIONS

INSTRUMENT

Dimensions:	7” x 7” x 11”
Housing:	Drawn aluminum case
Measuring error:	± 1%
Weight:	11.5lbs

PROBE

Limit of measured diameter:	4” to 24” and 4” to 48”
Weight:	8.5lbs

POWER

Internal:	Two rechargeable 6-volt batteries supplying 12V total
External:	12V DC source

CABLE AND REEL

Cable:	4-conductor polyethylene sheathed, 1/4” diameter, 500ft
Cable reel:	Reel of steel and PVC. Reel turns in bronze bearings w/continuos electric contacts
Weight:	30lbs
Total weight:	55lbs

CALL GEOTECH TODAY (800) 833-7958

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