Meet the New GC3 - GeoCube™
The GeoCube™ from Precision Geothermal is a portable, lightweight conductivity unit ideal for testing soils and bedrock of all varieties as well as for determining the Borehole Thermal Resistance (BTR). Even with its compact size, the GeoCube™ is capable of delivering up to 17,500W* of heating power. This powerful unit is available in models that can test borings up to 1,100 ft / 335 m deep. Increased flow or pressure available with the new GeoCube Flow Booster Option.

Features and Benefits

Applications
- Vertical Heat Exchanger depth to 1,100 ft/335m*
- Horizontal Exchangers (one way) 1,100 ft/335m*
- Heat Transfer Capacity Testing
- Borehole Thermal Resistance Testing

Operator Adjustable Heat Settings
- Adjust energy to proper heat rate
- Models range from base unit - Shallow 7,500W to Extended Depth 17,500W
- 50/60 Hz; 220/230/240 VAC models available

Rugged Aluminum Case; Built for Safety
- Safety sensors for fluid temp. and electrical
- No exposed wiring, fluid resistant controls
- Tamper resistant locking lid
- CE Marking for EEA International usage
- Sturdy protection for your investment
- User replaceable Heating Elements

Rigid, Secure Fluid Path
- Rigid copper piping ensures secure flow
- Stainless manifold in all capacity models

Compact Size
- ~150 lbs / 68 kg (base unit shipping weight)
- Easily Transportable

Data Collection and Analysis Software
- System designed to meet ASHRAE standards
- Utilizes Line Source Analysis methodology as recommended by ASHRAE 111-8 TRP
- Highly accurate sensors: flow, temp, power
- Calculate conductivity immediately
- Generates professional TC/TRT reports

Inside of the GeoCube™
The outer casing of the GeoCube™ is constructed of high grade aluminum which protects the unit and ensures that the GeoCube™ will maintain its appearance for years to come. The piping system is comprised of a stainless steel heat exchanger, soldered, rigid copper piping, with an HDPE standing column which now features user accessible/replaceable heating elements. An optional flow booster system is available for high flow/pressure testing. A cleanable stainless steel fluid filter keeps your pumping free of sediment. The heating unit is insulated with 2” Foamular® 250 extruded polystyrene insulation on the interior divider and the exterior walls of the unit. This level of insulation provides high performance in all climates / seasons and reduces external influences.

To purchase or for more information contact:

www.precisiongeothermal.com  •  info@precisiongeothermal.com

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Ph: (763) 479-3638  •  Fax: (763) 479-2183  •  e-mail: info@precisiongeothermal.com
**Specifications / Features:**
- Exterior dimensions: 24x24x24 in / 61x61x61 cm
- 1/6 HP circulation pump standard*
- Marking for EEA International usage
- Locking lid
- Lightweight, rugged aluminum case
- Highly insulated from external sources
- Data Collection & Analysis Software
- Stainless steel fluid filter system
- Stainless steel heat exchanger with accessible heating elements

**Available Options:**
- 500 ft / 150 m; 850 ft / 260 m; 1,100 ft / 335 m; borehole depth capacity
- H-Valve assembly for purging efficiency
- Sensor redundancy - four temperature sensors in fluid path
- Multiple pipe connection sizes/types
- Flow Booster Pump Option
- Conductivity test tool kit
- Removable Extension Cord (500 ft model only)
- Wireless Data Logger Telemetry
- Quick Connector Kit

**Ordering Information:**
To order, complete the code number below with the information and call Precision Geothermal at (763) 479-3638 - or - email: sales@precisiongeothermal.com

**Base Unit Includes:**
- Aluminum case
- Multi-Channel data logger

**Depth Capacity:**
- 500 = 500 ft/150 m depth (7,500 W)
- 850 = 850 ft/260 m depth (13,000 W)
- 999 = 1,100 ft/335 m depth (17,500 W)

**Piping Connection:**
1 = 1" Female Cam-Lock Adaptor
2 = (Option 1) with ¾" Barbed connection
3 = (Option 1) with 1" Barbed connection
4 = (Option 1) with 1¼" Barbed connection
5 = C-Kit** (Add $100)

**Power Requirement:**
1 = 240VAC / 60Hz*
2 = 240VAC / 50Hz
3 = 230VAC / 60Hz
4 = 230VAC / 50Hz
5 = 220VAC / 60Hz
6 = 220VAC / 50Hz

**Removable Extension Cord:**
1 = Yes (available on 500 ft model only)
0 = No

**Number of RTD’s:**
2 = Standard Logger - two sensors
4 = Standard Logger - four sensors (redundancy)
5 = Advanced Logger - four sensors (redundancy)

**Conductivity Test Tool Kit:**
1 = Yes; 0 = No

**H-Valve Purging Assembly:**
1 = Yes; 0 = No

**Data Logger Configuration:**
1 = Standard Data Logger (Base Configuration)
2 = Advanced Waterproof Data Logger

**Chassis Finish:**
1 = Standard Aluminum Finish
2 = Durable Anodized Aluminum Finish

**Booster Pump Option:**
1 = Yes; 0 = No

* Standard power ratings stated for 60Hz@240 VAC. Heating Elements adjusted for regional power standard values. Please specify your local power standards.

** C-Kit includes adapters for ¾", 1" and 1¼" pipe with quick coupling connectors for easy use.