

Academy Pendulum Sales

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Web site www.academypendulums.com

Date:
Bid proposal for:
Project:

This bid is for:

(1) Mark 2 Foucault Pendulum Kit at the price of	-----	\$44,500.00
(1) Shipping and Handling cost within the USA	-----	\$ 1,500.00
Total purchasing price	-----	\$46,000.00

Price does “**not include**” installation or any applicable taxes or fees that may be incurred by buyers state. Purchases in California are subject to “local sales tax”. This item is sold F.O.B. Richmond, CA. 94801.

Installation requirements:

An engineered designed mounting platform must be provided by purchaser. Some electrical installation must also be provided by purchaser. The pendulum kit can be installed by general contractors or by building maintenance staff. It generally requires one to two men up to 3 man-days to install the pendulum kit. See “Installing the pendulum kit” below for more installation specification information.

Each pendulum kit contains the following:

- One mirror finished brass pendulum ball with end caps. The bottom cap is fitted with a 3” long adjustable ½” brass pin, to adjust for floor or obstacle clearance.
- One magnetic drive assembly.
- One electronic package to control magnet.
- One support tower assembly with a cable height adjusting bolt.
- One cable sleeve and armature assembly w/ pre-adjusted armature.
- Two cables with welded ends (one is a spare).
- One educational brass wall plaque mounted on a black lacquered wooden base(12”x 10”).
- One ball installation tool (stand).
- One jar of ball polish and a polishing clothe for cleaning the ball.
- Two installation and one owner’s manual. Manuals also available on the APS web site.

Only those items listed are supplied with each kit. Any additions may be charged for.
Each unit will be setup and tested prior to crating and shipping.
Each unit will come packed in 4 heavy-duty wooden crates and strapped to a pallet.
Shipping weight is 600 lbs. and ships class 200 freight.

Additional cost factors:

Items not supplied by APS but are factors in cost consideration with the installation of a Foucault Pendulum:

A mounting platform will need to be designed, engineered, fabricated and installed into the building to hold the pendulum (see architectural specifications on the APS web site).

It will require a bit of electrical & conduit work for the installation of the control panel and the connection to the logic panel (see architectural specifications).

Railings will be required on most pendulums to keep anyone from coming into contact with the pendulum.

Floor details will need to be designed and implemented. Contact objects a possible idea. The general cost for the pendulum display will average \$100K to \$150K or more to complete. The total cost may vary depending the amount of volunteer assistance or financial assistance that may be available for the various other components.

The project's architect and coordinator is responsible for the design and installation of the mounting platform, railings, floor decorations, control panel placement, and electrical requirements for the pendulum being fitted to the building. The Control Panel can be shipped ahead of time so to be installed during the electrical phase, which should be prior to the pendulum installation. The pendulum requirements are described in the architectural specifications that can be down loaded form the website, (www.academypendulums.com), click on "Architectural Design Specifications".

Installing the Pendulum Kit:

The Mark 2 pendulum kit is designed for simple installation. Anyone with a bit of mechanical skill and who can follow an instruction manual should be able to assemble the components with ease. Must be capable of using general hand tools. Skilled at leveling and centering. Capable of attaching wires to numbered terminals. Able to lift heavy objects. Not be afraid of heights. Must be able to read English and follow the installation manual's directions. The installation manual comes with illustrations to help. The kit comes as constructed sub-assemblies. Some adjustments have been made during our bench testing, and each unit is fully tested prior to crating and shipping.

Installation manuals are also posted on our web site at for those who wish to preview what it takes to install a pendulum kit. Go to website (www.academypendulums.com), click on "Manuals" and then click on "Mark 2 Installation Manual".

For the purpose of bidding, we recommend any contractor to bid – two men; three days for the Kit installation time. Will need access to the provided mounting platform to install heavy parts and have access while pendulum is in motion. It will take 2 people a half a day to get the 225lbs. ball and other parts into place. They can finish the install in a half a day provided the electrical was ran and in place ahead of time. The rest of the time will be spent over the next few days making sure the pendulum progresses in all compass points. If the adjustments were correct it could work on the first try. If not, they may need to fine-tune the controls or make simple adjustments up in the tower. For installers who have questions or encounter problems, service assistance is available via e-mail or by phone. We are usually available to answer questions or help you solve problems from 8am to 8pm Pacific Time. We are located across the bay from San Francisco, California.

Ordering information:

Pendulums are designed to fit the applications of height and swing distance. Therefore each pendulum is unique and requires custom fabrication of the magnet bore and the cable length. Please allow 90 days for this custom work and fabrication of in stock pendulums. If we are out of stock the process may take up to 6 months to deliver or longer if stock is not available. Contact the Academy Pendulum Sales for more information about stock prior to purchasing. Suggest ordering one year in advance. Additionally we will need the information as to the height and swing distance required for your installation. This information will be required at least 90 days prior to shipping. An order is confirmed when a purchase order is received accompanied with a down payment check for (\$22,250.00) and includes a signed and dated copy of a filled out bid proposal. The final payment will be due within 60 days of receiving order. An invoice will be issued when the pendulum is shipped.

Order Cancellations:

A cancellation fee of 5% of the down payment will be charged on orders that are cancelled prior to the boring of the magnet and is within one year of the order date. A cancellation fee of 10% of the down payment will be charged on orders canceled after one year from ordering date and the magnet has not been bored. If order is cancelled after the magnet has been custom bored, a cancellation fee of 25% of the down payment will be charged.

Signed Agreement:

When signed, this Bid proposal is an agreement between Academy Pendulum Sales and the purchaser to make good on delivery and to make full payment of asking price. As such it supersedes any and all contracts, purchase orders or agreements issued by purchaser with regards to price, terms and items supplied with this kit.

Purchaser’s name (print)

Purchaser’s signature (Required)

Title

Dated

Vendor’s signature

Title

Dated
