

H-6646 Gear Pump Trainer

Purpose

The Hampden **MODEL H-6646** Gear Pump Trainer provides a hands-on introduction to the gear pump and its operation. The trainer uses sensors which interface with the Hampden **MODEL H-6648** Control Interface Module sold separately.

Description

The Hampden **MODEL H-6646** Gear Pump Trainer is bench-top mounted consisting of a storage tank, pump, flow control valve, orifice plate, and sensors. When interfaced with the **MODEL H-6648** Control Interface Module, it is linked to any laptop computer (included with **Model H-6648**) via its USB port.



Hampden Model H-6646 Gear Pump Trainer

Specifications

Base:

14-gauge furniture stock steel finished in instrument tan texture.

Pump:

Type: Bronze gear pump
Maximum Flow: 6-gpm
Maximum Pressure: 100 psi

Valves:

Ball, (2) required
Needle, (1) required

Tank:

Nalgene, 10-gallon with cover

Sensors:

Flow - Orifice Plate
Temperature - Type "T" thermocouple,
with 8 foot wire and plug

Transmitters:

Differential/Pressure Transmitter for
flow with 4-20mA output, with 8 foot
wire and plug.

Pressure Transmitter with 4-20mA
output, with 8 foot cord and
5-pin plug.

All Hampden units are available for operation at any voltage or frequency

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