



# INDUSTRIAL pH INSTRUMENTATION & ELECTRONICS

## Low Cost, Microprocessor Based pH Controllers

PHCN-410  
**\$280**  
Basic Unit



- ✓ Models Available with 2 to 4 Control Relays
- ✓ Optional Analog Outputs for Recording
- ✓ Choice of LED or LCD Display

The PHCN-410 and PHCN-420 and PHCN-425 Series of microprocessor based controllers are low cost ¼ DIN panel mount units which can be used in a variety of laboratory or industrial applications. These units feature automatic or manual temperature compensation, autocalibration for buffers 4, 7 and 10, two to four relays, LED or LCD displays and optional analog outputs. The units are compatible with a wide range of pH electrodes. Choose the system that best fits your application needs.

### Specifications

**pH Range:** 0.00 to 14.00 pH

**pH Resolution:** 0.01 pH

**Accuracy:** ±0.01 pH

**Temperature:** 0 to 100°C (32 to 212°F), automatic or manual

**Temperature Compensation:** 100 ohm Pt RTD for ATC

**Display:** 0.8" LED or LCD four digit display

**Control:** 4 Mechanical relays (except PHCN-410 which has 2 mechanical relays)

Two 10 amp. 120 Vac SPDT mechanical relays for High and Low Setpoints (included in PHCN-410)

Two 5 amp 120 Vac SPST mechanical relays for Hi-Hi and Low-Low Setpoints (all models except PHCN-410)

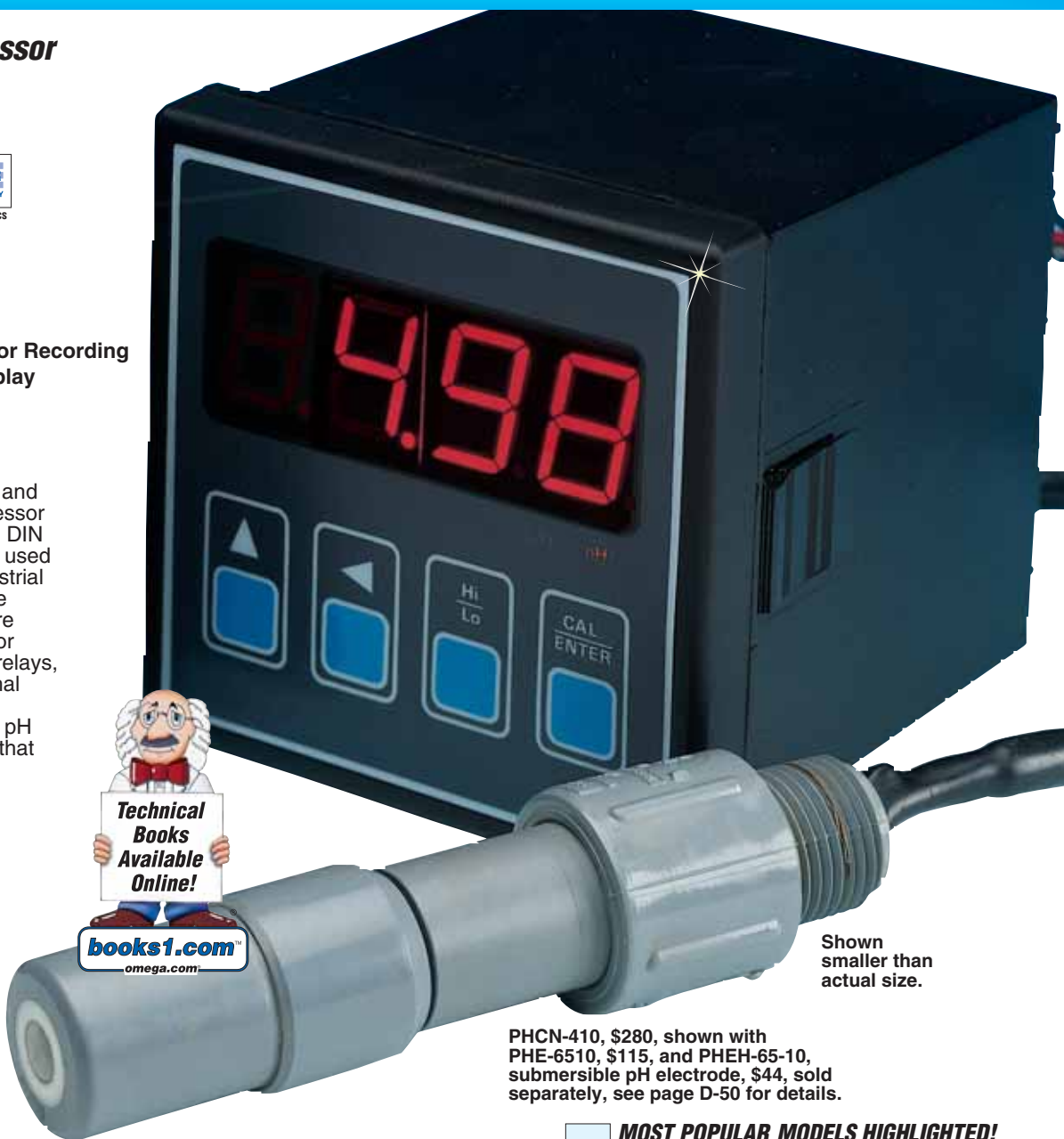
**Setpoint Hysteresis:** 0.1 pH (fixed)

**Operating Temperature:** 5 to 50°C (32 to 122°F)

**Power:** 110/220 Vac 50/60 Hz

**Dimensions:** ¼ DIN

**Weight:** 0.9 kg (1.98 lb)




Shown smaller than actual size.

PHCN-410, \$280, shown with PHE-6510, \$115, and PHEH-65-10, submersible pH electrode, \$44, sold separately, see page D-50 for details.

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

Model No.	Price	Description
PHCN-410	\$280	pH controller with LED display, 2 relays, fixed 4 to 20 mA output
PHCN-420	295	pH controller with LED display and 4 relays
PHCN-420-MA	320	All features of PHCN-420 and fixed 4 to 20 mA output (scaled 0 to 14 pH)
PHCN-420-V	320	All features of PHCN-420 and 0 to 1 V output (scaled 0 to 14 pH)
PHCN-425	295	All features of PHCN-420 with LCD display
PHCN-425-MA	320	All features of PHCN-420-MA with LCD display
PHCN-425-V	320	All features of PHCN-420-V with LCD display
FW-315	141	Reference Book: Corrosion: Understanding the Basics 

Comes with complete operator's manual.

**Ordering Examples:** PHCN-410, pH controller with 4 to 20 mA and dual relay outputs, \$280. PHCN-420, pH controller with 4 relays, \$295.



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