ORDER INFORMATION

WEL ☐ – ☐ ☐

cartridge housing mounting style

CARTRIDGE

PHF = Flat surface pH
PHB = Bulb pH
PHH = HF resistant pH
MVF = Flat surface ORP
MVR = Rod style ORP
PHLI = Flat pH, if sample is between 10 and 100µS

HOUSING

1 = Housing with preamplifier and PT1000 ATC, 20' cable with tinned leads
2 = Housing with preamplifier, 20' cable with tinned leads
3 = Housing with PT1000 ATC, 20' coaxial cable with BNC connector
4 = Housing, 20' coaxial cable with BNC connector

MOUNTING STYLE

1 = Submersion mounting
2 = In-line mounting (3/4" NPTF tee)
3 = Metric in-line mounting (G 1¼ male adapter)

SPECIFICATIONS

pH/ORP Electrode

Range	0 to 14 pH (0 to 12 without sodium ion error ±1999 mV (ORP)
Response	95% in less than 5 seconds
Impedance:	
Cartridge	Not to exceed 1000mΩ over temp range
Housing	100Ω, preamplified versions Not to exceed 1000mΩ over temp range non-preamplified versions
Operating Pressure	100 psig

Temperature Range

Housings with preamplifier	32 to 158°F (0 to 70°C)
Housings without preamplifier	32 to 212°F (0 to 100°C)
PHF, MVF, MVR & PHLI	50 to 212°F (10 to 100°C)
PHB cartridges	32 to 212°F (0 to 100°C)
PHH cartridges	32 to 122°F (0 to 50°C)

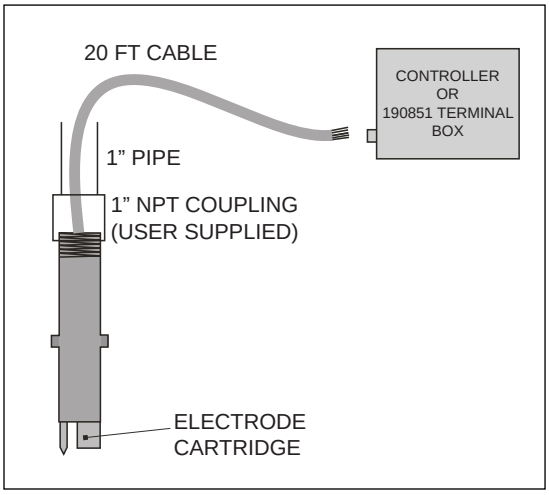
Note: Electrode life is drastically reduced when used at temperatures above 122°F (50°C).

Wetted Materials of Construction

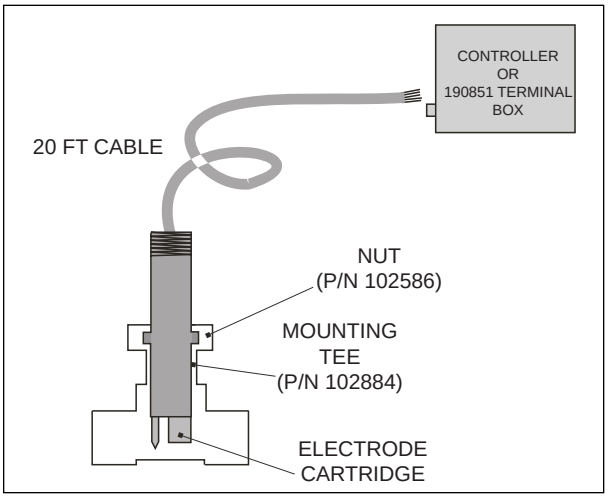
Electrode body	CPVC
Electrode reference	HDPE
O-rings	FKM
Electrode	Glass (pH) or platinum (ORP)

The WEL Series electrodes are in compliance with CE EMC standards.

SUBMERSION Installation with Preamplified Housing



IN-IINE Installation with Preamplified Housing



ABOUT US

Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market

Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: www.walchem.com

nqa ISO 9001 Registered ANAB ACCREDITED

WALCHEM
An Iwaki America Company

Walchem, An Iwaki America Incorporated Company
Five Boynton Road Hopping Brook Park
Holliston, MA 01746 USA
Phone: 508-429-1110
Fax: 508-429-7433
www.walchem.com

180174.D Oct 2008