

# LEVEL & PRESSURE Ground Water Monitoring

## Eno Scientific Well Watch® 670 Water Level Indicators



- Built-in alarm capability in case of emergencies
- No proprietary software or monthly fees

Get accurate, continuously updated well level readings from the top of the well with the Well Watch 670. It uses low frequency sound waves that can travel around 90-degree corners or coils of pipe, so you can install the Well Watch 670 in the most convenient location. With the Well Watch, there's no need to lower water tapes, bubblers, transducers or other devices into the well, avoiding contamination issues and risks of damaging your pump wiring or measuring devices.



Detailed well data is available 24/7.

Use the Well Watch 670 in well casings up to 10" and continuous length sounding tubes as small as 1/2". Installation is quick and easy – just insert the microphone/sensor end into well cap access ports. The included adapters create a secure fit and minimize signal losses.

The one-piece unit features a level sensor, keypad and display. The LCD displays real-time water levels updated at user-selected intervals from 1 second to 60 minutes. Multiple onboard outputs make it easy to integrate the Well Watch into your existing telemetry/SCADA system.

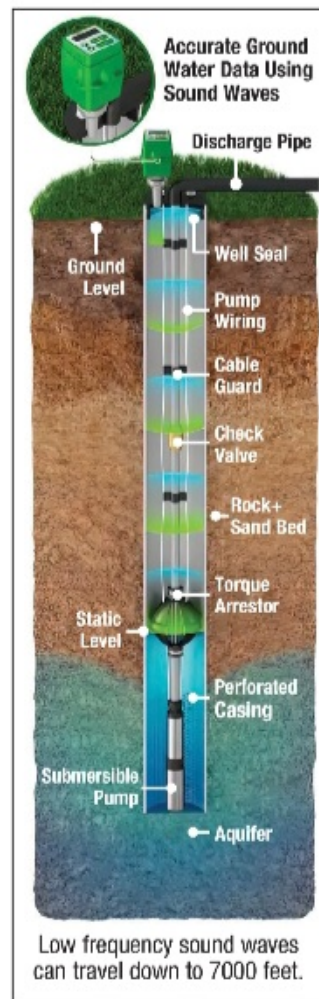
An integral 25-million-point datalogger records detailed values, including time/date, depth, well ID, signal strength and much more. Extract data by connecting your computer to the internal USB port – no special software required. Power the Well Watch with the included AC power adapter or optional 12 VDC power supply.

**Includes:** level indicator unit with integral display, clear protective cover, three threaded adapter nozzles (1/2", 3/4" and 1"), 8" extension tube, USB cable, and AC power adapter with wall plug (115V).



Displays real-time well level readings (static, drawdown and recovery)

Level Indicator with Integral Display [72278](#)



Monitor water level readings from the top of the well!



<b>Range:</b>	10 to 7000 feet (in wells up to 10" in diameter)
<b>Accuracy:</b>	±0.1 feet
<b>Resolution:</b>	0.05 feet
<b>Display:</b>	2 rows x 16 characters LCD
<b>Data Storage:</b>	25 million datalog points, 2 GB
<b>Outputs</b>	
<b>Analog:</b>	two: 0-5 VDC and 4-20 mA
<b>Alarm:</b>	5V @ 15 mA max
<b>Communications:</b>	RS-232/RS-485 Modbus and USB port for file data transfer
<b>Power:</b>	6.5 to 12 VDC (AC adapter included)
<b>Operating conditions:</b>	-10 to 110°F
<b>Dimensions:</b>	3.5"W x 3.5"H x 6"D

DESCRIPTION	STOCK #	EACH
Level Indicator with Integral Display	<a href="#">72278</a>	\$ 995.00
<b>REPLACEMENT ITEMS &amp; ACCESSORIES</b>		
Replacement Clear Protective Cover	<a href="#">72257</a>	\$ 17.50
4-20 mA Loop Surge Protection Barrier, DIN-Rail Mount	<a href="#">17701</a>	339.95
12-VDC Power Supply, 15 Watts	<a href="#">74177</a>	58.95

See pages [1514-1557](#) for a wide selection of **Sampling Equipment**.

Measure well depth 24/7 at the surface—  
no need to insert anything into the well!



The smart probe contains the system's acoustic components.



Control Unit



Smart Probe

## Eno Scientific Well Watch® 700 Water Level Indicators

- Displays constant real-time well level readings
- Easily communicates with SCADA and other systems
- Provides versatile well management, alarm and control capabilities

Read water level readings through closed pipe with the Well Watch 700. This self-contained acoustic instrument sends low-frequency sound pulses into the pipe, then measures the time until the pulses echo off the water's surface. You'll get accurate readings, even in crooked wells or where well openings are up to 90% blocked by obstructions like pump wiring and piping. Use in well casings up to 24" and continuous length sounding tubes as small as 1/2". Each Well Watch consists of a control unit and smart probe.

The **control unit** features an integral keypad and LCD that displays real-time well level readings, including static, drawdown, recovery and flow data. Multiple connection points interact with SCADA and equipment such as pumps, flowmeters and alarms. Unit features a wide range of communication and input/output options, including:

- Ethernet RJ-45 port
- external flowmeter input
- concurrent analog outputs (4-20 mA/0-5 VDC)
- RS-232/RS-485 Modbus/SDI-12
- 25-million point datalogger
- two relay outputs

Extract data via USB or microSD card into a standard spreadsheet format — no special software required.

The rugged stainless steel **smart probe** contains all acoustic components. Powered by the control unit via a four-conductor cable, it features durable waterproof construction for permanent outdoor installation. The probe is adaptable to either submersible or top-mount turbine pump wells. The 2" NPT(F) spout connects to your well access port and can be reduced to as little as 1/2".

### Enclosure Options

Protect the control unit inside a weatherproof enclosure (stock # 42948; sold separately below). Mount using the integral DIN-rail mounting system or panel mounting flange. The **optional installation kit** (stock # 28171) includes USB cable, 120 VAC adapter, and 10 feet of 18/4 direct-burial cable for connecting the smart probe to the control unit.

**Well Watch 700 includes:** control unit, smart probe and microSD card.

**Note:** alternate coating colors for the smart probe are available to act as a theft deterrent or saltwater/corrosion protection. Contact USABlueBook for more information.



Control unit shown DIN-rail mounted in electrical enclosure



Extract datalogged files from the USB port or microSD card into a spreadsheet.



Smart Probe installs at the well cap with 2" NPT(F) threads.

<b>Range:</b>	15 to 7000 feet (in wells up to 24" in diameter)
<b>Accuracy:</b>	±0.1 feet
<b>Resolution:</b>	0.05 feet
<b>Display:</b>	2 rows x 16 character LCD, selectable
<b>Data storage:</b>	25 million datalog points, 2 GB microSD card
<b>Outputs</b>	
<b>Analog:</b>	two, 0-5 VDC and 4-20 mA
<b>Relays:</b>	two SPST, one for alarm and one for pump control; rated 0.5A @ 125 VAC
<b>Communication:</b>	RS-232/RS-485 Modbus/SDI-12, Ethernet (Modbus TCP/web server), and USB port for file data transfer
<b>Auxiliary input:</b>	external flowmeter (switch closure or TTL pulse), not included
<b>Power:</b>	12-36 VDC
<b>Operating conditions:</b>	-20 to 175°F
<b>Housing:</b>	ABS plastic (control unit), 304 stainless steel (smart probe)
<b>Dimensions</b>	
<b>Control unit:</b>	4"W x 5"H x 2.5"D
<b>Smart probe:</b>	4.4"W x 4.4"H x 10.25"D

### Well Watch 700 Water Level Indicators

DESCRIPTION	STOCK #	EACH
Well Watch 700 (Includes Control Unit & Smart Probe)	<b>28189</b>	\$ 2,915.00
<b>Accessories</b>	<b>STOCK #</b>	<b>EACH</b>
Well Watch Installation Kit	<b>28171</b>	\$ 49.99
Fiberglass Electrical Enclosure, 8"H x 6"W x 4"D	<b>42948</b>	171.95
Steel Back Panel for Electrical Enclosure	<b>56137</b>	6.95
DIN-Rail (35 mm, 1-m Long)	<b>71088</b>	10.49
4-20 mA Loop Surge Protection Barrier, DIN-Rail Mount	<b>17701</b>	339.95
24-VDC Power Supply, 15 Watts 0.6A	<b>74178</b>	58.95