

Sonar Water Level Indicators

Non-Intrusive Automatic Surface to Water Level Measurement

SA Electronics, Inc. makes water level measurement a straightforward and efficient process with its acoustic probes, the Models 10A and 30A.

These microprocessor-based instruments are truly "user friendly." The operator simply enters well casing size and minimum distance. From there, these "smart" instruments use sound waves to determine water levels in a matter of seconds. Measurement data is automatically displayed in increments of 1.0 foot or 0.1 meter for Model 10A and in 0.1 foot or 0.1 meter for Model 30A, on a large LCD readout. Using our data software you can record the water levels on a laptop or notebook computer, during a pump test for example, and save the data for later printing and plotting. No wire hang ups or coating problems. These non-intrusive models are excellent for clean well applications and irregular well configurations.



FEATURES:

- Microprocessor based
- Automatic Operation
- Sonar measurement techniques
- Range to 1600 ft/488 m
- Resolution of 1.0 ft./0.1 ft/0.1 m
- Digital output (RS-232)
- Portable
- Battery powered
- LCD readout

BENEFITS:

- Simple operation
- No wire probe hang ups
- Ideal for clean applications
- Lightweight/portable
- Readings available in seconds
- Accurate, reliable performance
- Excellent quality parts and workmanship

MODELS 10A & 30 A

RANGE

(Determined by clear well casing size)

MODEL 10 reads in steps of 1ft/0.1m

- 2" casing 25 to 400ft/122m
- 4" casing 25 to 800ft/122m
- 8" casing 23 to 1600ft/488m

MODEL 30 reads in steps of 01ft/0.1m

- 2" casing 25 to 400ft/122m
- 4"-8" casing 25 to 800ft/122m

OUTPUTS

- Digital RS-232 for telemetry or computer recording
- Video and synch to drive an oscilloscope display (to "view" the well from 25 ft. to the water surface)

FEATURES

- Quartz crystal time base for stability and accuracy
- Low battery indicator
- Strong, deep drawn, aluminum case with gasket sealed over
- Storage space for sensor

SPECIFICATIONS

- **Operating Temperature:** 32° F - 120°F (0° C - 50° C)
- **Storage Temperature:** 0° F - 120°F (-20°C - 50°C)
- **Accuracy:** $\pm 0.5\text{ft} \pm 0.1\%$ of reading for a constant well air temperature of 50°F (10°C)*
- **Weight:** 7.5 lb (3.3 kg) complete
- **Dimensions:** 7.5 x 7 x 11 in (19x18x28 cm)
- **Power Requirements:**
Internal: 4 alkaline D cell batteries (20-30 hr average life).
External: 12V car battery or any 12V DC voltage source @ 250 mA average current and 0.5 A peak capability.

Introducing the

J-PROBE™

Quick, accurate readings of casing depth and water level from one tool.

- **Very Accurate**
- **Built to Last**
- **Quick and Easy to Use**
- **Affordable. Costs less Than most single-function probes.**

