

PORTABLE WATER WELL SOUNDER

THE POWERS PORTABLE WELL SOUNDER IS A SOLID STATE ELECTRONIC INSTRUMENT THAT IS DESIGNED TO ACCURATELY TEST WATER WELLS TO DETERMINE THE STATIC LEVEL, THE DRAWDOWN LEVEL, AND THE RECOVERY RATE LEVELS.

THE CABLE, WITH AN ELECTRODE ATTACHED TO THE END, IS LOWERED INTO THE WELL. WHEN THE ELECTRODE MAKES CONTACT WITH THE WATER LEVEL, A MILLIAMPERE READING WILL REGISTER ON THE ANALOG METER AND AN AUDIBLE BEEPER WILL SOUND. THE DEPTH OF THE WATER CAN BE READ USING THE CALIBRATIONS MARKED ON THE CABLE.

THE TIP OF THE ELECTRODE IS HOUSED IN A SPECIAL SPLASH GUARD PLASTIC SHIELD WHICH PREVENTS ANY FALSE READINGS FROM FALLING WATER FROM WITHIN THE WELL ITSELF. THE ELECTRODE MEASURES 3/8" DIAMETER X 24" LONG AND WEIGHS 8 OZ. THE STANDARD ELECTRODE COMES WITH BRASS BEADS THAT ARE 1/2" LONG FOR FLEXIBILITY. STAINLESS STEEL ELECTRODES ARE ALSO AVAILABLE.

THE CABLE IS A SPECIAL MANUFACTURED 2 CONDUCTOR, PVC, 20 AWG SIZE CABLE THAT HAS A VERY LOW STRETCH CHARACTERISTIC WITH A HIGH 200 LB. BREAKING STRENGTH. THE CABLE IS CALIBRATED IN 1 FOOT INCREMENTS WITH SEQUENTIAL NUMBER MARKED EVERY 2 FEET AND IS ALSO AVAILABLE WITH 500 mm INCREMENTS WITH A SEQUENTIAL NUMBER MARKED EVERY METER. THE CABLE ACCURACY IS WITHIN 0.005% AND CAN BE SUPPLIED IN ANY LENGTHS UP TO 2000 FEET MAXIMUM.

ALL POWERS PORTABLE WELL SOUNDERS ARE COMPLETELY HOUSED IN A RUGGEDLY CONSTRUCTED HEAVY GAUGE SHEET METAL CASE AND ARE EQUIPPED WITH AN ON-OFF TOGGLE POWER SWITCH, MILLIAMPERE ANALOG METER, AUDIBLE BEEPER, CIRCUIT TEST BUTTON, AND 9 VOLT BATTERY AS STANDARD EQUIPMENT. THESE INSTRUMENTS ARE SUPPLIED AS A PORTABLE, BATTERY OPERATED, SELF CONTAINED UNIT. THE ELECTRONIC DESIGN REQUIRES ONLY ONE 9 VOLT BATTERY WHICH PROVIDES LONG BATTERY LIFE AND ECONOMY.

