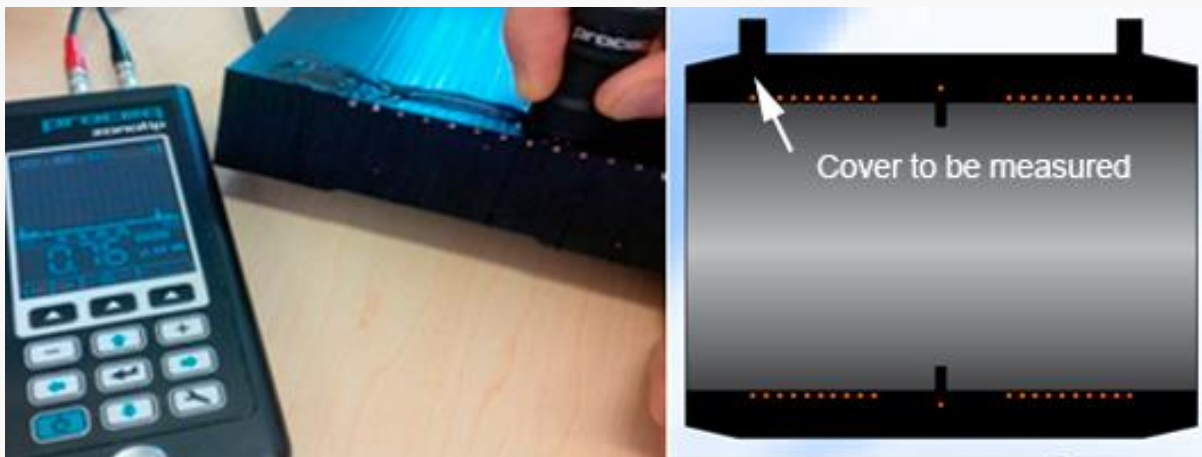


Zonotip+

## Ultrasonic testing of polyethylene pipes

The Zonotip+ can be used to ensure high quality in the welding of two polyethylene pipes by inspecting the fitting adaptors. These adaptors contain copper wires which are energized to weld the pipes by electrofusion. The distance of these wires to the inner surface needs to be precisely checked to make certain that the heating will be sufficient to create a good weld. If the copper wires are too far away from the surface, there will be insufficient heat for bonding the polyethylene pipes together, if they are too close to the surface, then the heat will be too high. It has been proven that, using the 4 MHz twin crystal transducer and the A-scan view, the depth of copper wires can be measured to a resolution of 0.01 mm.



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