

## ERS-560 Troubleshooting Guide

Symptom	Cause	Check or Try
<p>#1 No display and/or backlighting</p> <p>No Power Light</p>	<p>No Power</p> <p>Defective Display</p>	<p>Check power circuit breaker and wiring</p> <p>ON/OFF switch on main circuit board</p> <p>Ribbon cable not secure</p> <p>0.5 amp fuse on main circuit board</p>
<p>#2 Keypad Does Not Respond</p>	<p>Ribbon Cable</p> <p>Lightning or Power surge</p>	<p>Check ribbon cable</p> <p>Turn Meter OFF/ON</p> <p>RESET meter ... see page 23</p>
<p>#3 4-20 mA. Output Not Functioning</p> <p>4-20mA Indicates Max All The Time (see #9 below)</p> <p>Output Not Same As Display</p>	<p>Defective Wiring</p> <p>Defective Output and/or Lightning Damage</p> <p>Not Scaled Correctly</p>	<p>Check wiring and polarity. Disconnect output wires and check with current meter. If OK, receiver or wiring is problem.</p> <p>Replace Q1 and /or Q2 (2N3904 transistor) and U1 (LM324 IC) on main circuit board.</p> <p>Go to programming, 'SCALE 20mA OUTPUT' and 'TEST ANALOG OUTPUT'</p>
<p>#4 Display Does Not Change or Update</p>	<p>Processor Crash</p> <p>Lightning or Power Surge</p>	<p>Turn Power OFF/ON</p> <p>RESET meter ... see page 23</p>
<p>#5 Pass Code Lockout</p>	<p>Wrong Code</p> <p>Code Corrupted</p>	<p>Call Factory for alternate code</p> <p>Provide product SN#</p> <p>Call (610) 942-3190</p>
<p>#6 Display Says 'ECHO LOST, Check Wiring ....</p>	<p>Sensor NOT LEVEL</p> <p>Accoustic Signal Path Obstructed</p> <p>Defective wiring or wrong cable type</p> <p>Defective Sensor</p>	<p>Check sensor mounting for plumb</p> <p>Check for signal path obstructions, foam on water surface etc.</p> <p>Check wire splices for break or short - Do not solder or use wire connectors at splice - use wire nut and electrical tape</p> <p>Test sensor back at the meter to by-pass cable run ... replace sensor and/or PC-54 transmit/receive circuit card if needed</p>

