Field test kit

**Integrated components**

- Hose pressure
- Gas tank inlet
- Tank pressure
- Quick connects
- Slow pressure rise
- Velcro strip
- Shoulder strap clips

**Carrying case dimensions**

- 10.88" [276.4 mm]
- 13.50" [342.9 mm]
- 5.13" [130.3 mm]

**Product Summary**

**Description**
Complete field test kit for performing confidence testing of QUALITROL 930 Electronic pressure monitor. Includes all required components, tools and power supplies housed in a rugged carrying case. The kit can test for rapid and slow pressure rise actuations as well as relay and milliamp output functions.

**Application**
For utility maintenance groups, field service organizations and repair companies to verify proper function of the QUALITROL 930 Electronic pressure monitor while mounted on the transformer.

**Portable verification of proper electronic rapid pressure monitor operation**

- Rugged carrying case features integrated components for field testing
- For utility maintenance groups, field service organizations and repair companies
Portable verification of proper electronic rapid pressure monitor operation

- Allows simple "go/no-go" field testing of all QUALITROL RPRRs
- Tests the fast pressure rise by simulation
- Tests the fast pressure rise response
- Verifies the 4-20 mA output of each pressure transducer from the monitors front panel test
- Tests and calibrates slow pressure rise alarm setpoint
- Tests the power status alarm

Rugged carrying case features integrated components for field testing

- Pressure gauges and regulator, power supply, test lights and operation buttons integrated into case
- Pressure vessel with air pump
- Setup and test instructions permanently affixed to inside of case

Simple “go/no-go” field testing of all QUALITROL RPRRs

QUALITROL KIT-930 - Field test kit

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PORTABLE VERIFICATION OF PROPER ELECTRONIC RAPID PRESSURE MONITOR OPERATION

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- Pressure vessel with air pump
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TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Electrical</th>
<th>Voltage / frequency</th>
<th>100 - 240 VAC, 50 / 60 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inrush control</td>
<td>Staged heating at 10 seconds (dual heater unit only)</td>
<td></td>
</tr>
<tr>
<td>Conducted / radiated emissions</td>
<td>EN55011</td>
<td></td>
</tr>
<tr>
<td>Immunity tests</td>
<td>EN61000-4-2, EN61000-4-3, EN61000-4-4,EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11</td>
<td></td>
</tr>
<tr>
<td>Harmonics and flicker tests</td>
<td>EN61000-3-2 AND EN61000-3-3</td>
<td></td>
</tr>
<tr>
<td>Dielectric isolation</td>
<td>1500 VAC for 60 seconds to ground</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Functions</th>
<th>Regeneration frequency setting</th>
<th>5, 10, 20, 40 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solenoid valve</td>
<td>12 VDC</td>
<td></td>
</tr>
<tr>
<td>Humidity range</td>
<td>RH 2% to 100%</td>
<td></td>
</tr>
<tr>
<td>Pressure sensing</td>
<td>Normally open, approximately 0.5 inch H2O to close</td>
<td></td>
</tr>
<tr>
<td>Status indication</td>
<td>LEDs – green, amber, red</td>
<td></td>
</tr>
<tr>
<td>Regeneration frequency control</td>
<td>2 position DIP switch</td>
<td></td>
</tr>
<tr>
<td>Relative humidity trigger level</td>
<td>User configurable: 50% default value</td>
<td></td>
</tr>
<tr>
<td>Regeneration cycle</td>
<td>3 hours full power, 1 hour cool-down</td>
<td></td>
</tr>
<tr>
<td>Regeneration status monitoring</td>
<td>Relay – 4A, 30 VDC, normally closed</td>
<td></td>
</tr>
<tr>
<td>Failure detection</td>
<td>RH sensor, pressure switch, heater, solenoid</td>
<td></td>
</tr>
<tr>
<td>Analog output signal</td>
<td>4 - 20 mA @ maximum 500 Ohms for RH</td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>MODBUS (remote) and USB (local)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Operating conditions</th>
<th>Temperature</th>
<th>-40 °C to 80 °C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Relative humidity</td>
<td>&gt; 80 %</td>
</tr>
<tr>
<td></td>
<td>Enclosure protection</td>
<td>IP55</td>
</tr>
<tr>
<td></td>
<td>Vibration</td>
<td>50/60 Hz @ .004&quot; displacement</td>
</tr>
</tbody>
</table>

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