Seventh Annual QUIKLOOK Users Group Meeting
August 14 & 15, 2013

Presented by: Jason J. Haglund
QUIKLOOK 3

PRESENTATION

Engineering and Operations Manager
Jason J. Haglund
Teledyne Test Services has developed the next generation of QUIKLOOK hardware. This signifies a leap forward for valve test instrumentation.
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**FEATURES**

- Fully Battery Powered (5+ hours of operation)
- External DC power Supply Brick
- 12 VDC Auxiliary Port
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FEATURES

- Hot-swappable for continuous operation without an external power source
• Battery Hot-Swap Operation
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FEATURES

• 15” Touch Screen Display
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FEATURES

• IP67 Rating - Fully Sealed to Prevent Ingress of Contamination
• Weather Tight for De-Con Wash Down (Opened or Closed Case)
• All connections on Outside of Case
• Voltage Sense
  • Eliminate the need for a Voltage Drop Box

Signal connection

Full bridge 6 wire sensor connection

![Diagram of signal connection](image_url)
Sensor Recognition
- IEEE Standard - IEEE P1451.4/2.0
- All calibration and setup data is electronically stored on the sensor
- TEDS (Transducer Electronic Data Sheet)
- Transferred to QUIKLOOK when the sensor is plugged in
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FEATURES

- TEDS Sensor Template

![TEDES Template Draft Standard IEEE P1451.4](image)

- **Manufacturer**: Teledyne
- **Model Number**: Q 1
- **Serial Number**: 123456

### TEDS Template Draft Standard IEEE P1451.4

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FEATURES

- Backwards Compatible QLII to QL3
  - 4 to 7 wire Jumpers or Patch Cable
  - TEDS Recognition Chip – prompt to fill in sensor data
  - Old Sensors upgradeable
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FEATURES

• Signal to noise ratio reduction – Trace Quality
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FEATURES

• Trace Quality Sample
  • Close Running Load Test – QLII vs. QL3 (1,000Hz)
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FEATURES

- Sample Rate 10 to 50,000 s/s, 16CH’s simultaneously acquired
  - Hardware capable of 200,000 s/s
  - Check Valve Testing Requires (10k-50k s/s)
• RealVNC® Remote Desktop Simplification

• **Why is it better?**
  - Reliable
  - Less confusion
  - Two active screens
  - Wired with no distance limitations
  - Targeted Connection
  - Wireless
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**FEATURES**

- High Temperature Operation – 115°F (46°C) Ambient
  - QL3 Tested to 120°F (Fully Operational)
  - QL2.5 – 110°F (43°C)
  - QLI2 – 105°F (40.5°C)
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FEATURES

- VOIP: Audio / Voice Communication to Laptop
  - Wired or Wireless
  - Simplified Connection
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FEATURES

- Wireless Integrated (drop box solution)
- Setup Test, Start, Close Case and Walk Away
• **Battery Operation**: (2) Lithium-Ion 14 VDC Packs
  - 5+ hours of continuous operation

• **Touch Screen**: 15” Touch Display Screen

• **IP67 rated**: Fully Sealed to Prevent Ingress of Contamination
  Weather Tight for De-Con Wash Down

• **Voltage Sense**: Remote Voltage Drop Correction

• **Sensor Recognition**: TEDS Open Architecture

• **Accuracy**: 1% Reading
• **Channel Sample Rate:** User Configurable 10 to 200,000 s/s
  - 16 Isolated Channels Simultaneously measured

• **Remote Access:** RealVNC® Software
  - **Wireless:** IEEE 802.11b/g/n Compatible
  - **Wired Ethernet:** Direct Connection the Laptop

• **Temperature Operation:** 115°F (46°C) Ambient

• **Audio / Voice:** VOIP Communication to Laptop

• **Analog Outputs:** 0-10vdc, +/- 10vdc, 0- 24mA, 0-55mA

• **Application Software:** TTS QUIKLOOK 3
Thank you

USER FEEDBACK?