Ninth Annual QUIKLOOK Users Group Meeting

Marion, MA
August 19 & 20th, 2015

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TEDS

TELEDYNE TEST SERVICES
Everywhereyoulook™

Quiklook Software - TEDS

TEDS – Transducer Electronic Data Sheet

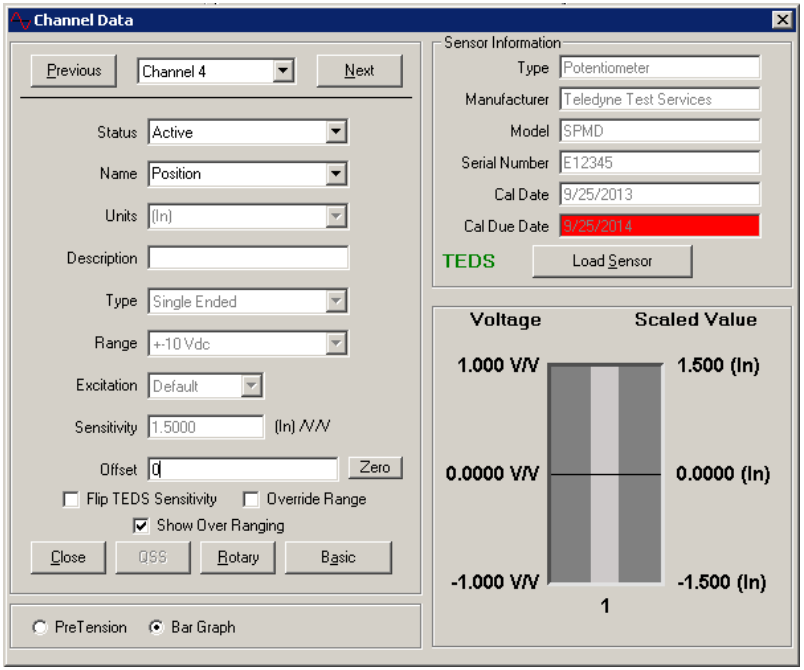
IEEE Standard - IEEE P1451.4/2.0

- All Sensors will have a TEDS Chip
- TEDS Chip may contain all - none of the configuration data.
    - Units
    - Type
    - Range
    - Excitation
    - Sensitivity
    - Description
    - Type
    - Manufacturer
    - Model
    - Serial Number
    - Cal Date
    - Cal Due Date

Quiklook Software - TEDS

Channel Data Form

- TEDS fields containing data are disabled
- Fields in red can mean:
    - Out of date cal
    - Bad system date (Cal date in future)
    - Missing data – User input required
- Fields with missing data are unlocked

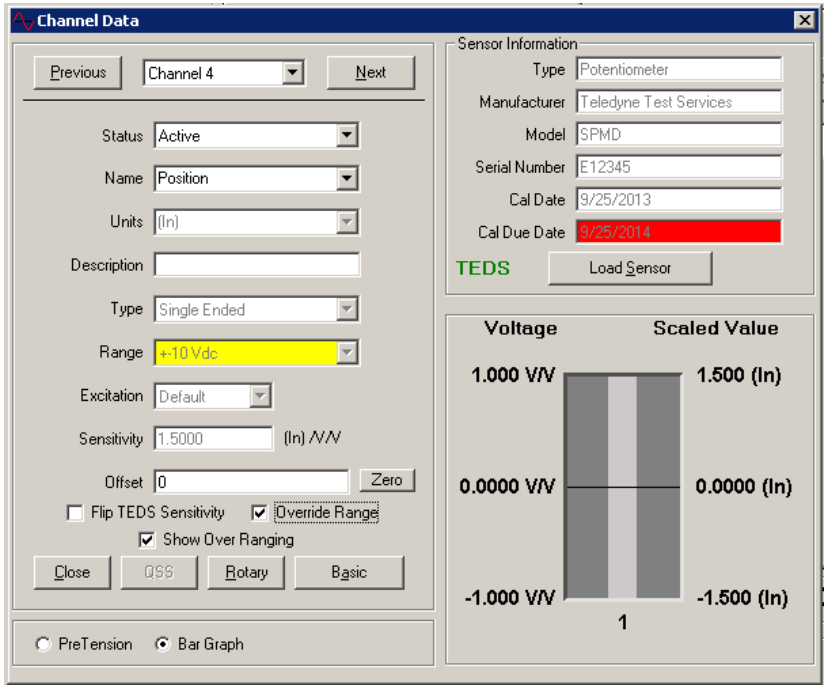


Quiklook Software - TEDS

Channel Data Form

TEDS Overrides

- Flip TEDS Sensitivity
  - Will invert trace
- Override Range
  - Will allow user to change range
  - Range fields will be highlighted Yellow

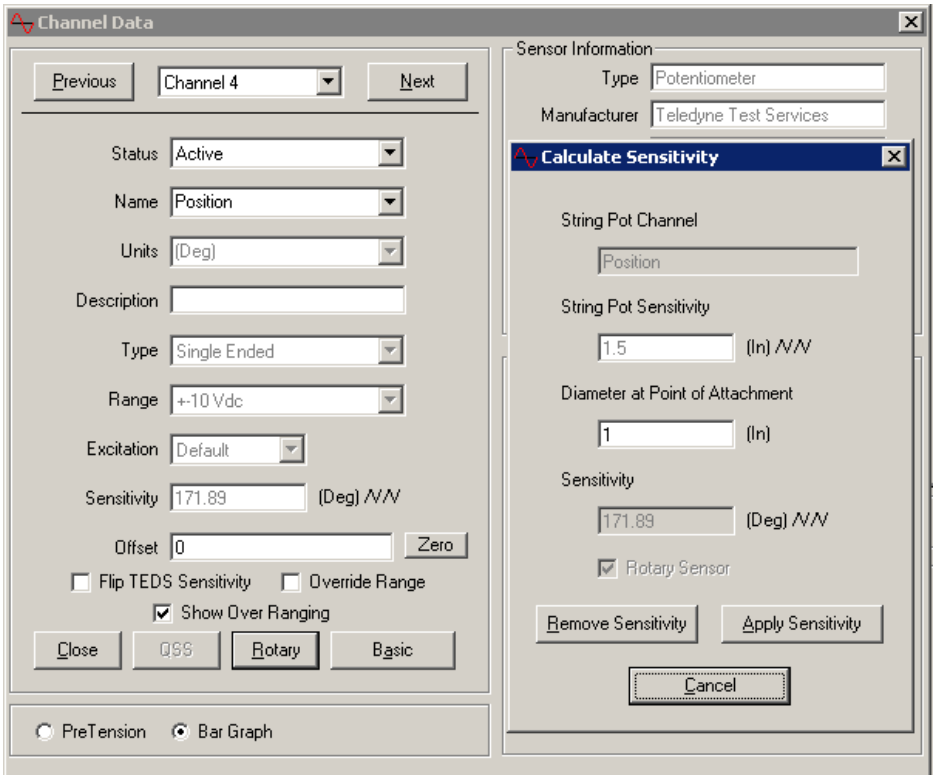


Quiklook Software - TEDS

Channel Data Form

Rotary – String Pots

- Sensitivity on chip is entered into rotary calculation
- Diameter at point of attachment is used to calculate actual sensitivity
- Units are automatically set to (Deg)
- Recalc of sensitivity is automatic if a different string pot is plugged in.



Quiklook Software - TEDS

Channel Data Form

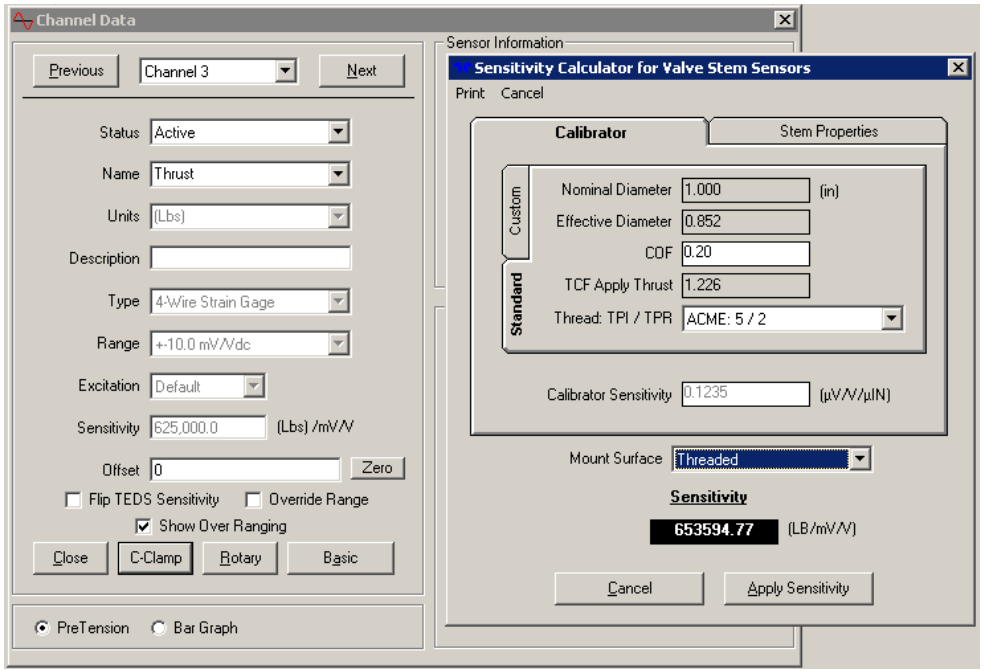
C-Clamps

- Sensitivity on chip is entered into c-clamp sensitivity calculation

- Previously entered stem information is used to calculate actual sensitivity

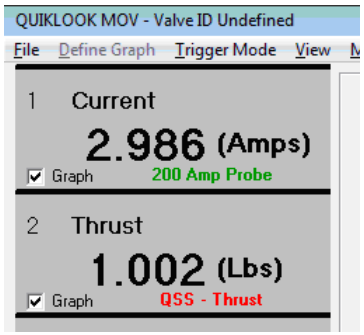
- Entering 0 for stem diameter will give you a sensitivity of 0. Quiklook will then ignore all sensitivity info and allow user to enter the sensitivity

- Recalc of sensitivity is automatic if a different string pot is plugged in.



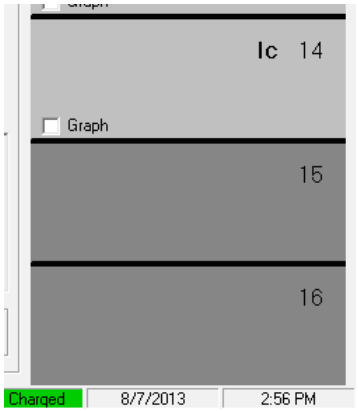
Quiklook Software - TEDS

Acquisition Screen



- When sensor is present Channel Values and Units Appear
- Sensor Description is Shown
  - Green – All sensor data is on chip no further configuration is necessary
  - Red – Some configuration data is missing. Configuration should be reviewed
  - Black – Configuration has been reviewed

- Light Gray Box - Channel Active
- Dark Gray Box – Channel Inactive
- Red Box
  - Channel is Over Ranging
  - C-Clamp has lost pretension
- Green Box – C-Clamp – pretension is with acceptable limits
- Channel Name Shows for Active Channels
- Channels wo Sensors will Not be Acquired and will be Turned Off

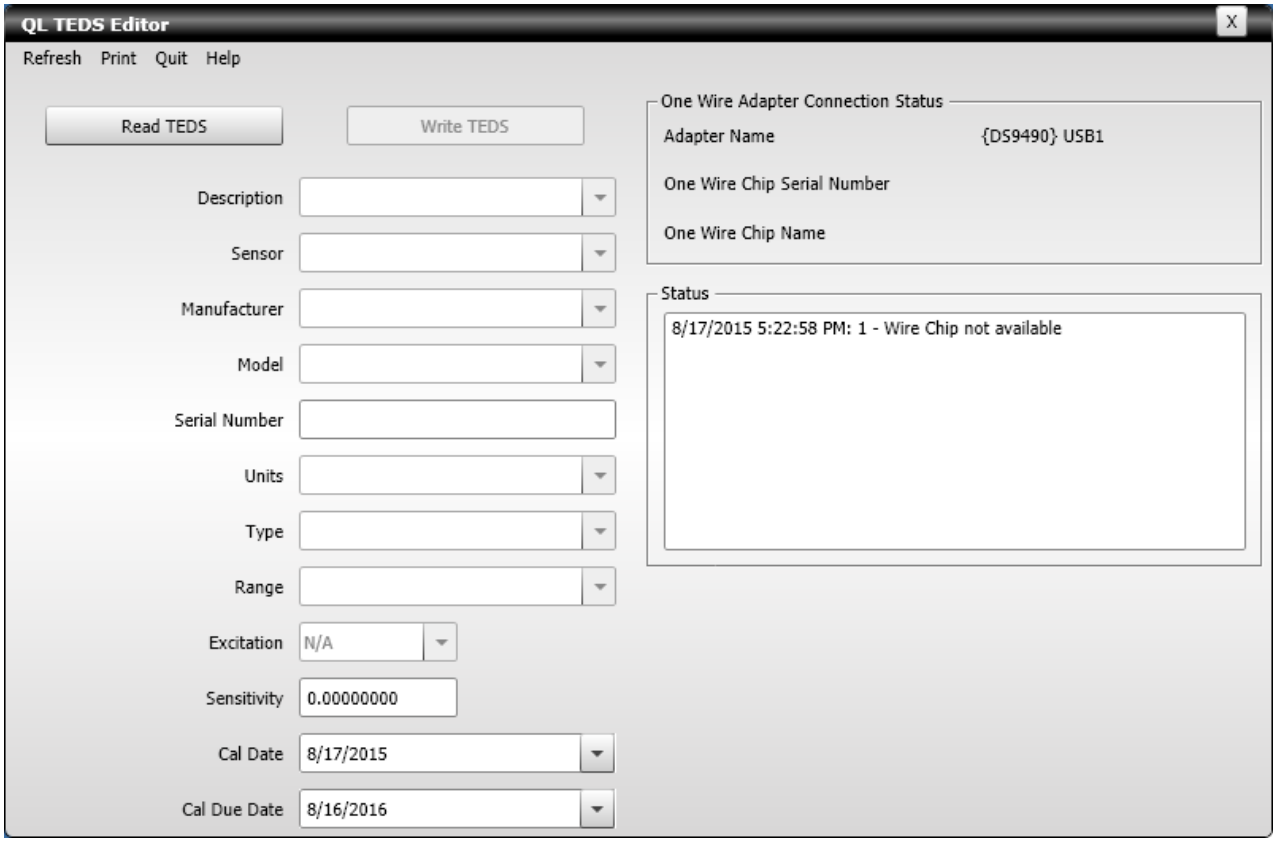


Quiklook Software - TEDS

QL TEDS Editor

Allows editing of:

- Serial Number
- Sensitivity
- Cal Date
- Cal Due Date



Any Questions?

THANK YOU

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