

Your partner for instrument
safety and performance

Best Practice Instrument Review



The WIKA Best Practice Instrument Review

A WIKA Best Practice Instrument Review collects data on-site of a sampling of instrumentation at your operation—including base and operating performance—in order to identify areas of potential or immediate danger. The WIKA Best Practice Instrument Review team, led by a certified WIKA team leader along with experienced project engineers, recommends corrective actions to provide customers with the highest level of instrument longevity, reliability and safety to reduce your total cost of ownership.

Benefits of Your Review

- Reduced total cost of ownership
- Recommended industry best practices
- Increased safety
- Identified potential problems
- Standardized instrument selection
- Consolidated inventory
- Reduced maintenance cost
- Reduced process downtime

Phase #1. Interview

- Discussion between WIKA rep and/or WIKA-authorized distributor and the customer
- Explains the purpose of the instrument review and how it will be conducted
- Explains benefits of the program to the customer
- Determines the match of the customer to the program



Phase #5. Follow-up Meeting and Presentation

- Present general findings and executive summary from the instrument review
 - Present an application review spreadsheet that gives a detailed description of the gauges reviewed with a unique color-coded "attention ratings" key
 - Provide recommendations for improvements based on best practices
 - Develop a go-forward strategy with the customer

WIKAI Best Practice Instrument Review

Date: 1/14/11
 Location: [redacted]
 Customer Contact: [redacted]
 Review Team: WIKAI Technical Manager - Instrumentation Process; WIKAI Regional Sales Manager

Attention Rating Guide (example only)

Attention Rating Key: Rating #1 - Corrective activity should be performed soon. Installation, obvious operational service difficulty and/or poor operation and potential risk. Rating #2 - Corrective activity should be performed in the next 30 days or as preventative maintenance. Rating #3 - Corrective activity should be considered for improvement in the next 90 days.

Attention Rating	Range Location	Range Description	Operating Condition Observed	Recommended Action	Comments
1	101-102	101-102 High Pressure	High Pressure	Replace the gauge and install a new gauge with a higher pressure rating.	High Pressure
2	103-104	103-104 High Pressure	High Pressure	Replace the gauge and install a new gauge with a higher pressure rating.	High Pressure
3	105-106	105-106 High Pressure	High Pressure	Replace the gauge and install a new gauge with a higher pressure rating.	High Pressure

Corrective activity needed soon to reduce service interruption

Corrective activity needed within 30 days or as preventative maintenance

Corrective activity should be considered for improvement

Phase #2. Pre-Meeting

- Determines which units (or sections) of the plant will be reviewed
- Determines roles and responsibilities of team
- Notes prohibited and exempt areas of plant
- Reviews list of problematic installations with customer
- Discusses safety procedures



Phase #3. Instrument Application Review

- Walk-through led by customer representative
- Review gauge installations
- Record gauge installations demonstrating unwanted conditions
- Record gauges demonstrating installation best practices



Phase #4. Post-Meeting

- Evaluate information collected from the instrument review with customer
- Note installations that pose an immediate safety concern
- Develop plan with customer to either block-out such installations or investigate immediately
- Set schedules for a follow-up meeting

Executive Summary Instrument Review

WIKAI

Re: Executive Summary - Instrument Review - CONFIDENTIAL

Executive Summary

The purpose of the Instrument Review is to collect a reasonable "sampling" of instrumentation, isolated base and operating performance, in an effort to identify initial "trouble areas." With this data, WIKAI creates an instrumentation plan which is customized to meet the customer's needs, provide the highest level of instrument longevity, reliability and safety, and reduce total cost of ownership.

Disclaimer

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Notes: Instrument reviews are conducted in "normal" conditions. Meaning there is no control over the system specific starting and time conditions. The review is a visual observation and the results at the time of the review may be different than those of a normal operating mode, or special circumstances that may naturally occur in the process and therefore may not be addressed. The process may not be repeated at time of observation and as such, no warranty is intended.

Instrument Review Procedure

TEAM, TECHNIQUES, TOOLS & EQUIPMENT

TEAM

The review consists of a review Team. The minimum recommended team to consist of the following:

- The Lead WIKAI Representative trained to perform the review for the type process and instrumentation found;
- A second factory rep. or WIKAI supporting distributor, to assist in the review and collect and record the data; and
- At least one representative from the end-user (owner) familiar with the specific instrumentation and process.

NOTE: WIKAI Instrumentation Corporation representatives follow all safety requirements and complete safety training as directed by the end-user (owner) prior to conducting any instrument reviews.



**ISO 9001
Certified**

For over 60 years, WIKI Instrument Corporation has continuously advanced pressure gauge, transmitter and temperature measurement instrumentation. As the global leader in lean manufacturing, WIKI offers a broad selection of stock and custom instrumentation solutions, which are often available for distribution within days. Producing over 43 million gauges, diaphragm seals, transmitters and thermometers worldwide annually, WIKI's extensive product line provides measurement solutions for any application. The WIKI sales team, along with its customer service and technical staff members, are ready to share their extensive product and industry knowledge to make your business experience with WIKI productive and progressive.



XSEL™ with All-Welded System

M93X.D1 (AWS)



XSEL™ Process Gauge

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WIKI provides distinctive service and support to our channel partners and customers:

- Award winning U.S.-based manufacturing, sales and ordering customer service and technical support
- Certified technical specialists who conduct Best Practice Instrument Reviews with performance improvement reports
- An in-house engineering team for product customization and innovation
- Proven capabilities to connect with customer business processes for ordering and inventory management
- Web-based customer service features, including RFQs, literature request and competitor product cross reference

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