



Installation & Field Services

Electrical Temperature



Smart in sensing



“The success of our customers is our motivation. This is a long tradition. When my grandfather, Alexander Wiegand, founded WIKA in 1946, he devoted himself to absolute quality, reliability, and customer focus. Although much has changed since then, it is precisely these values that form the core of the WIKA Group today.”

Alexander Wiegand,
Chairman and CEO, WIKA



Ability to Meet any Challenge

As a family-run business acting globally, with over 10,000 highly qualified employees, the WIKA group of companies is a worldwide leader in pressure and temperature measurement. The company also sets the standard in the measurement of level, flow, force, and in calibration technology.

Founded in 1946, WIKA is a reliable partner for all the requirements of industrial measurement technology, thanks to a broad portfolio of high-precision instruments and comprehensive services. With manufacturing

locations around the globe, WIKA ensures flexibility and the highest performance. Every year, over 50 million quality products in standard or customer-specific configurations are delivered in batches of 1 to over 10,000 units.

With numerous wholly-owned subsidiaries and partners, WIKA reliably supports its customers worldwide. Our experienced engineers and sales experts are your competent and dependable contacts locally.

Our Experience

With over 25 years of installation experience, we use industry best practices to meet the expectations of our customers and licensor specifications, developing the best solution for all types of installations.

Experience means we can complete the installation quicker than contractors who are unfamiliar with the process, saving you money.

To qualify as a supervisor, our service technicians must have a minimum of 2,500 safe on-site work hours and demonstrated field service supervisor proficiencies. The average tenure for a supervisor is 11 years.

In order to ensure the best product performance, extended warranties of 5 years or more are available for products installed by certified Gayesco – WIKA technicians.

Application Experts

We have experience in a wide range of refining and petrochemical applications, and have performed installations in the following units:

- Crude Unit
- Fluid Catalytic Cracking Unit
- Hydrotreating Unit
- Hydrocracking Unit
- Catalytic Reforming
- Sulfur Units
- Syngas Plants
- Amine Unit
- Utilities
- Heavy Oil
- Petrochemical
- Cumene Unit
- Styrene Unit
- Slurry / Emulsifying Bed
- Coker Unit



Reactor Profiling Installations

Reactor Profiling Applications

No reactor, regenerator, or column application is exactly like any other, that's why we custom design our multipoint solutions to fit your needs. We don't force fit a product to your application; we design a custom solution that meets your exact application. Designing and building the world's best profiling systems isn't enough to ensure the best possible solution, it has to be installed correctly - by trained, experienced installers.

Simple mistakes in installation can dramatically reduce the life and reliability of the thermocouple assembly. Having experienced installers can mean the difference between measurements you can rely on or readings you can't.

Gayesco-WIKA Field Services utilizes production staff for installations, so the experienced professionals that build the thermocouples are the same professionals responsible for installation. All of our field installers have participated in multiple installations before they are certified to work at your facility, and are trained in thermocouple manufacturing, installation, and applications. Our installation team gives you the confidence to know you will get an installation you can trust, especially during tight turnarounds.

Common Services that can also be Provided During an Installation Include:

- On-site or internet "kick-off" meeting
- Welding by ASME qualified, experienced welders
- Reactor modifications as required
- Assembly of support structures
- Insertion and routing of thermocouple assemblies
- Advanced thermocouple verification or comparison testing
- Lead wire pulling and hook-up
- Experienced field problem resolutions
- On-site thermocouple repair and modification

Thermocouple Verification Prior to Service

One of the last, and most important, things done during a multipoint installation is the thermocouple verification. We provide several options:

- A simple function test to make sure each thermocouple is wired correctly and in the appropriate position.
- A precise verification to a known, elevated temperature (typically 700 °F) allowing for a full diagnostic of the thermocouple, wiring, and transmitters all the way back to the control room - all before catalyst loading.
- A precise verification to a known, elevated temperature along with a detailed baseline comparison report.



Fired Heater Applications

WIKA offers the leading tubeskin application products in the industry. The V-Pad®, Gayesco Xtracto-Pad®, and Gayesco Refracto-Pad® are widely accepted by process licensors and major refiners around the world because of their reliability and durability.

Purchasing a reliable WIKA tubeskin thermocouple is a three part process:

1. Fit for application product design
2. Routing following best practices
3. Proper installation

Gayesco-WIKA Services is the key to ensuring your tubeskin thermocouple system installation is exactly as the design intended, as well as in line with industry best practices. Simple mistakes in installation can dramatically reduce the life and reliability of the tubeskin thermocouple.

Fired Heater Services Options	Complete Installation	Supervisor Install	Installation Support
Installation instructions	*	✓	✓
Routing advise	*	✓	✓
Field transition kits and services	*	✓	✓
On-site training of local personnel on furnace tubeskin best practices	*	✓	✓
Welding supervision	*	✓	
Routing supervision	*	✓	
On-site expertise as needed	✓	✓	
Complete welding services by experienced ASME welders	✓		
Professional routing of thermocouples inside the furnace	✓		
Proper connection of the thermocouple outside the furnace	✓		
On-site thermocouple design and modification of thermocouple placement	✓		

* not required for full installation by WIKA



Additional Services

In-situ Field Verification

Even if we are not completing a full installation, we can provide field verification on existing thermocouples that are in place on the process unit, including the multipoint line of reactor and column thermocouples.

the unit is off-line and access to the thermocouple tips is available. Verification is performed at process or near process temperatures in a fast, accurate, repeatable manner by trained technicians.

Many customers will request Gayesco-WIKA Installation Services be present during turnarounds to perform verification and ensure the sensing points are still functioning correctly. Verification can be done any time

WIKA is the only manufacturer who can provide SIL-3 certification on existing multipoint installations with this revolutionary verification.

Heater Survey

We also conduct heater surveys to review performance on furnaces. Relevant furnace operation and equipment condition data is collected on-site to identify performance gaps and recommend improvement opportunities by:

- Conducting field measurements of thermal conditions and combustion efficiency using advanced diagnostic tools including IR imaging, combustion probing, and other sensing devices.
- Performing preliminary verification as needed.
- Reviewing preliminary findings with your operating teams and management at the conclusion of each site visit.
- Issuing furnace performance report with recommendations.

Benefits of a Heater Survey:

- Increased process unit capacity through furnace optimization or debottlenecking.
- Improved energy efficiency with optimal furnace combustion management.
- Fact-based reliability assessment to reduce unscheduled shut-downs.
- Reduced maintenance costs through better turnaround planning.
- Recommended industry best practices in operations and safety.
- Opportunity for operator cross-training by sharing experience from other sites.

Field Repair

In the unlikely event a thermocouple is damaged in your reactor, we can assist in repairing or modifying temperature measurement devices in the field. Typical field work includes soldering, welding, splicing, and bending. Once the thermocouple is repaired, we will ensure its operation by verifying the sensing point all the way back to the control room, if required.

WIKA worldwide

Europe

Austria

WIKA Messgerätevertrieb
Ursula Wiegand GmbH & Co. KG
Tel. +43 1 8691631
info@wika.at / www.wika.at

Benelux

WIKA Benelux
Tel. +31 475 535500
info@wika.nl / www.wika.nl

Bulgaria

WIKA Bulgaria EOOD
Tel. +359 2 82138-10
info@wika.bg / www.wika.bg

Croatia

WIKA Croatia d.o.o.
Tel. +385 1 6531-034
info@wika.hr / www.wika.hr

Denmark

WIKA Danmark A/S
Tel. +45 4581 9600
info@wika.as / www.wika.as

Finland

WIKA Finland Oy
Tel. +358 9 682492-0
info@wika.fi / www.wika.fi

France

WIKA Instruments s.a.r.l.
Tel. +33 1 71 68 10 00
info@wika.fr / www.wika.fr

Germany

WIKA Alexander Wiegand SE & Co. KG
Tel. +49 9372 132-0
info@wika.de / www.wika.de

Ireland

WIKA Instruments Ireland Limited
Tel. +35 386 1449 360
info@wika.ie / www.wika.co.uk

Italy

WIKA Italia S.r.l. & C. S.a.s.
Tel. +39 02 93861-1
info@wika.it / www.wika.it

Poland

WIKA Polska spółka z ograniczoną
odpowiedzialnością sp. k.
Tel. +48 54 2301 10-0
info@wikapolska.pl
www.wikapolska.pl

Romania

WIKA Instruments Romania S.R.L.
Tel. +40 21 4048327
info@wika.ro / www.wika.ro

Russia

AO "WIKA MERA"
Tel. +7 495-648018-0
info@wika.ru / www.wika.ru

Serbia

WIKA Merna Tehnika d.o.o.
Tel. +381 11 2763722
info@wika.rs / www.wika.rs

Spain

Instrumentos WIKA S.A.U.
Tel. +34 933 9386-30
info@wika.es / www.wika.es

Switzerland

WIKA Schweiz AG
Tel. +41 41 91972-72
info@wika.ch / www.wika.ch

Türkiye

WIKA Instruments
Endüstriyel Ölçüm Cihazları Tic. Ltd. Şti.
Tel. +90 216 41590-66
info@wika.com.tr
www.wika.com.tr

Ukraine

TOV WIKA Pnylad
Tel. +38 044 496 83 80
info@wika.ua / www.wika.ua

United Kingdom

WIKA Instruments Ltd
Tel. +44 1737 644-008
info@wika.co.uk / www.wika.co.uk

North America

Canada

WIKA Instruments Ltd.
Tel. +1 780 4637035
info@wika.ca / www.wika.ca

USA

WIKA Instrument, LP
Tel. +1 770 5138200
info@wika.com / www.wika.us

Gayesco-WIKA USA, LP
Tel. +1 713 4750022
info@wikahouston.com
www.wika.us

Mensor Corporation
Tel. +1 512 3964200
sales@mensor.com
www.mensor.com

Latin America

Argentina

WIKA Argentina S.A.
Tel. +54 11 5442 0000
ventas@wika.com.ar
www.wika.com.ar

Brazil

WIKA do Brasil Ind. e Com. Ltda.
Tel. +55 15 3459-9700
ventas@wika.com.br
www.wika.com.br

Chile

WIKA Chile S.p.A.
Tel. +56 9 4279 0308
info@wika.cl / www.wika.cl

Colombia

Instrumentos WIKA Colombia S.A.S.
Tel. +57 601 7021347
info@wika.co / www.wika.co

Mexico

Instrumentos WIKA Mexico S.A. de C.V.
Tel. +52 55 50205300
ventas@wika.com / www.wika.mx

Asia

China

WIKA Instrumentation Suzhou Co., Ltd.
Tel. +86 512 6878 8000
info@wika.cn / www.wika.com.cn

India

WIKA Instruments India Pvt. Ltd.
Tel. +1800-123-101010
info@wika.co.in / www.wika.co.in

Japan

WIKA Japan K. K.
Tel. +81 3 5439-6673
info@wika.co.jp / www.wika.co.jp

Kazakhstan

TOO WIKA Kazakhstan
Tel. +7 727 225 9444
info@wika.kz / www.wika.kz

Korea

WIKA Korea Ltd.
Tel. +82 2 869-0505
info@wika.co.kr / www.wika.co.kr

Malaysia

WIKA Instrumentation (M) Sdn. Bhd.
Tel. +60 3 5590 6666
info@wika.my / www.wika.my

Philippines

WIKA Instruments Philippines Inc.
Tel. +63 2 234-1270
info@wika.ph / www.wika.ph

Singapore

WIKA Instrumentation Pte. Ltd.
Tel. +65 6844 5506
info@wika.sg / www.wika.sg

Taiwan

WIKA Instrumentation Taiwan Ltd.
Tel. +886 3 420 6052
info@wika.tw / www.wika.tw

Thailand

WIKA Instrumentation Corporation
(Thailand) Co., Ltd.
Tel. +66 2 326 6876
info@wika.co.th / www.wika.co.th

Uzbekistan

WIKA Instrumentation FE LLC
Tel. +998 71 205 84 30
info@wika.uz / www.wika.uz

Africa/Middle East

Botswana

WIKA Instruments Botswana (Pty) Ltd.
Tel. +267 3110013
info@wika.co.bw / www.wika.co.bw

Egypt

WIKA Near East Ltd.
Tel. +20 2 240 13130
info@wika.com.eg / www.wika.com.eg

Namibia

WIKA Instruments Namibia Pty Ltd.
Tel. +26 4 61238811
info@wika.com.na / www.wika.com.na

Nigeria

WIKA WEST AFRICA LIMITED
Tel. +234 17130019
info@wika.com.ng / www.wika.ng

Saudi Arabia

WIKA Saudi Arabia Llc
Tel. +966 53 555 0874
info@wika.sa / www.wika.sa

South Africa

WIKA Instruments Pty Ltd.
Tel. +27 11 62100-00
sales@wika.co.za / www.wika.co.za

United Arab Emirates

WIKA Middle East FZE
Tel. +971 4 883-9090
info@wika.ae / www.wika.ae

Australia

Australia

WIKA Australia Pty. Ltd.
Tel. +61 2 88455222
sales@wika.com.au / www.wika.com.au

New Zealand

WIKA Instruments Limited
Tel. +64 9 8479020
info@wika.co.nz / www.wika.co.nz

WIKA USA

229 Beltway Green Boulevard | Pasadena, TX | 77503
Tel. (713) 475-0022 | info@wika.com | www.wika.us

7/2019 EN

B063



You can find further information here!



Smart in sensing

www.wika.us