

Company Profile

Established since 1991, **PT Unitek Standarindo Engineering** continues to provide *design, supply and service* of engineering equipments across different industries.

Product Solutions and Partners

*Combustion
Burner*

*Magnetic Separator &
Metal Detector*



*Gas Detector
&
Gas Analyzer*

*Water
Analyzer*

Flowmeter



System Integration

We can provide advise on product selection, system design according to applications and site conditions. System integration and erection can be performed in our expansive workshop in Tangerang, Jawa Barat (West Java).



Workshop



Integrated Skid with Control Panel for Gas Burner Valve Train

Services



Site survey & installation



Testing & commissioning



Training



Service maintenance & calibration



Troubleshooting & repair

Honeywell

Honeywell Thermal Solutions

Honeywell Thermal Solutions has the largest installed base of burners, valves, sensors and controls in the world. With more than 100 years of industry-leading innovation and on-the-ground experience, we provide global solutions to maximize productivity, safety, while reducing installation and maintenance costs.

The central circular logo features the text **HONEYWELL THERMAL SOLUTIONS** in blue. Surrounding this are several brand logos and product categories:

- Honeywell Combustion Service** (top left)
- Honeywell Combustion Controls** (top right)
- Honeywell Combustion Safety** (middle right)
- Hauck** (bottom right)
- Exothermics** (bottom center)
- Honeywell kromschroder** (middle left)
- Honeywell ECLIPSE** (bottom left)
- Honeywell MAXON** (bottom left)

ref: <https://automation.honeywell.com/us/en>

RIELLO

Riello Burner

Started out to adapting domestic light oil burners for use in bakers' ovens during economic crisis after the first world war in Italy, Riello now produces various burner for residential, commercial and industry, operating as single-stage, dual-stage, or modulating. Riello's philosophy of innovation and sustainability continues to release new products such as burners for low NOx, ultra low NOx and Hydrogen ready.



Riello **monoblock** burner integrates air blower, valves and other accessories directly to the burner's body to create a compact and simple burner.



Oil burner



Gas burner



Dual-fuel burner



Low NOx burner



Kane Flue Gas Tester



One of the leading suppliers in United Kingdom (UK) for portable flue gas tester and engine exhaust gas analyzer since 1954. Kane Flue Gas Analyzers (FGA) are certified by TUV according to EN50379.

Kane 258	Kane 358	Kane 458s
		
<p>Domestic Oil, Gas & Biomass analyzer. O₂, CO & over range protection, CO₂. Easy to use rotary dial & large display. Protective magnetic hands free case. Wireless now standard to KANE LIVE mobile Android/ iOS app. Inclusive of gas sampling probe (max 600 deg celcius) with integral temperature sensor and sampling hose (2 meters), water trap and filter. Datalogging.</p>		
<p>Printer, smoke test kit & high temperature sampling probes are available as additional accessories.</p>		
<p>Fuel: Natural Gas, LPG, Wood Pellets, Butane, Light oil, Propane</p>		
	<p>Pressure, tightness, let by, 2 minutes appliance sweep test.</p>	<p>Pressure, tightness, let by, 2 minutes appliance sweep test.</p>
		<p>Option to measure NO to test NO_x to 600ppm & CO to 10,000ppm</p>
		<p>KANE LINK wireless measurement.</p>



Kane Flue Gas Tester

Kane 958	Kane 988	Kane 9206 Quintox
		
<p>Boiler & Heat Pump analyser with KANE-LINK. Test boilers to 5MW & 50mbar stack draught. O2 & CO to 10,000ppm with H2 compensation (with over range protection), CO2. 2 toxic gas sensor options (NO and/or NO2 to test NOx, SO2). Pressure, tightness & let-by test. See, save & send results to KANE LIVE mobile Android/ iOS app. High capacity water trap & particle filter. Inclusive of gas sampling probe (max 600 deg celcius) with integral temperature sensor and sampling hose (2 meters). Datalogging.</p>		
<p>Printer, smoke test kit & high temperature sampling probes are available as additional accessories. NO2 & SO2 gas conditioning sampling system is available as accessory.</p>		
<p>Fuel: Natural Gas, LPG & Biogas, Propane & Butane, Light & Heavy Oil, Coke, Coal & Wood pellets.</p>		
	<p>Fuel: additional Kinsale Gas, Natural Gas L, Town Gas, Gas Cor, Anthracite, 5x User defined fuels.</p>	
	<p>Test boilers > 5MW boiler / 50 mbar draught High temperature gas sampling probe (max 1250 deg celcius)</p>	
	<p>4 (instead of 2) toxic gases option with CO2, H2S and Hydrocarbon measurement capability. CO to 10%.</p>	<p>9 (instead of 2) toxic gases option with CO2, H2S and Hydrocarbon measurement capability. CO 10%.</p>
		<p>Long term unattended testing. Large internal memory to store up to 64,000 tests. Automatic fresh air purge & self draining water trap option. Cold condition tests with optional heater</p>



MSR Fixed Gas Detector



MSR Electronic develops and produces reliable continuous fixed gas detection system (gas detector) from Germany . Thanks to **MSR's** diverse gas detection methods and continuous product development, **MSR** can offer gas sensors and systems that can be individually customized for customers.



Pharma, Laboratory & Research



Industrial



Hydrogen



Food & Beverage



Agriculture



Building



Marine



MSR Fixed Gas Detector



**Digital-Gas-Controller
DGC (128 sensors)**



**PolyGard Multi Sensor Controller
MSC (3 sensors)**



**Warning & Sensor Board
WSM (3 sensors)**



PolyXeta PX
(Aluminium & Stainless Steel ATEX IECEx SIL2)



**Analog (MC) / Digital (SC) gas
sensors**



**Local (SX) & Remote (SSAX) gas
sensors**
(ATEX IECEx SIL2)



Online Gas Monitoring PGCC
Dashboard for cloud online monitoring

Combustible Gases
CH₄, LPG, LNG, CNG,
H₂, C₃H₈ propane,
C₂H₂ acetylene,
C₂H₄ ethylene,
hexane, benzene,
toluene, DMC, and
more...

Refrigerant Gases
Freon, R32, R134A, R-
404A, R407C, and
more...

Toxic Gases
O₂, CO, CO₂, NH₃,
N₂O, NO₂, HCN
cyanide, H₂S, SO₂,
HCl, Cl₂, O₃ ozone,
HF, formaldehyde,
and more...

Provides solution for applications with more than 100 choices of sensors heads for *COMBUSTIBLE*, *TOXIC*, and *REFRIGERANT* gases. By having options for analog or digital communications, MSR offers flexible integration for gas detection system.



AccuFloc Streaming Current Monitor



AccuFloc develops Streaming Current Monitor (SCM) product since 2003 in New Zealand. To date, Accufloc remains one of the only SCM manufacturers using Fast Fourier Transformer (FFT) algorithm in their signal processing to provide convenience to water operator. Now, the new model AF9000 is the latest generation of SCM from Accufloc, which is equipped with the latest innovation in the electronics and the piston movement.



Use SCM to optimize coagulant dosing in water treatment plant and wastewater treatment plant with per seconds response of source water quality variations.

Piston movement using Frictionless linear drive.

Calibrate SCM with one button.

Easier operation and maintenance.

SCM configurations:

- SCM only
- SCM + PID controller
- Standard water connections accessory
- Water connections with Autoflushing by air accessory



Electro-Chemical Devices



Electro-Chemical Devices (ECD) is manufacturer of liquid analytical process instrumentation, established since 1977. The products and services are used in some of the most demanding applications and industries, such as:

- Water & wastewater treatment,
- Food & beverages,
- Pharmaceutical,
- Semiconductor,
- Power generation,
- Oil and gas,
- Chemical,
- Mining,
- Pulp & paper,
- Steel.





Electro-Chemical Devices



T80 Controller



LQ800 Controller



**X80 Controller
(hazardous area)**

S80 Sensors



Parameters: pH, ORP, pION, Dissolved Oxygen, Conductivity, Resistivity.
pION: Ammonia (NH₃), Ammonium (NH₄), Bromide (Br), Cadmium (Cd), Calcium (Ca), Chloride (Cl), Cyanide (CN), Cupric (Cu), Fluoride (F), Lead (Pb), Nitrate (NO₃), Nitrite (NO₂), Potassium (K), Silver (Ag), Sodium (Na), Sulfide (S)

- Intelligent Sensor Design with digital communication, stores measurement, calibration information.
- Application Specific Electrode Cartridges, long life and easily replaceable.
- Insertion/Submersion with flow cells, adjustable gland fittings and Valve Retractable.
- Wide Variety of Industrial Materials of Construction sizes and lengths.
- Available for hazardous area (ATEX and IECEx or FM approved).



Application Specific pH Electrode Cartridges

Type	Wetted Materials	Description	Application	Measurement and design features
GP	PES, PTFE, Glass, VITON	General Purpose	environmental water, rinse water, cooling water, municipal WW	General purpose
HT CYCLE	PEEK, Ceramic, Glass, EPR	General Purpose, High temperature cycles	Scrubbers on waste incinerators, Temperature cycling applications	Reduced reference fouling in temperature cycling applications
HPW	PES, PTFE, Glass, EPR	High Purity Water	Boiler water, Low conductivity water	Long term stability in low conductivity water, below 5µS expect high drift
SUGAR	PES, PTFE, Glass, VITON	Non-Conductive Solutions	Corn Syrup, Sugar and Starch solutions	Stable reference signal in low conductivity, below 5µS expect high drift, high dissolved solids
HI TEMP	PEEK, PTFE, Glass, VITON	High Temperature	Industrial waste treatment	high temperature, acid or alkaline solutions, no metal ions that react with Chloride
SCRUB	PEEK, PTFE, Glass, VITON	Chemical Resistant Flat glass	Wet Gas Scrubbers	high temperature, acid or alkaline solutions, resistant to metals and sulfides, easily cleaned

Type	Wetted Materials	Description	Application	Measurement and design features
SR	PEEK, PTFE, Glass, VITON	Chemical Resistant rugged glass	Industrial waste treatment, sulfide present	high temperature, acid or alkaline solutions, resistant to metals and sulfides, rugged glass
SLUR	PEEK, PTFE, Glass, VITON	Chemical Resistant recessed glass	Slurries and abrasive solutions	high temperature, acid or alkaline solutions, resistant to metals and sulfides, pH glass protected from impact
SOLR	PEEK, PTFE, Glass, Extreme	Solvent Resistant	Wastewater with trace solvents	Solutions with trace amounts of organic solvents present
FLR	PEEK, PTFE, Glass, VITON	Fluoride Resistant	Semiconductor waste treatment,	Thick pH glass for use in HF acid treatment baths
ANT	PES, PTFE, Sb, VITON	Antimony	3-10 pH, No Glass	Non glass metallic electrode, only aerated solutions between 3-10 pH



Electro-Chemical Devices



Model 80 (chlorine free or total, seawater chlorine, Chlorine dioxide, Hydrogen peroxide, Peracetic acid, Ozone). Also available for hazardous area.



DO82 or DO90
(dissolved oxygen)



TR82 or TR80
Turbidity or TSS (total suspended solids) with autocleaning & debubbler flow cell



CE 800
Cationic conductivity (degassed)



Hydra-DS
Ammonium or Nitrate



NA600
Sodium



3S-TOC
Total Organic Carbon



CA900
Titration
• Alkalinity,
• Fluoride,
• Sulfide



CA6 Colorimetric
Aluminum, Ammonia, Chlorine, Chloride, Chromium VI, Copper, Cyanide, Hardness, Hydrazine, Iron, Manganese, Nickel, Nitrate, Nitrite, Phosphate, Total Phosphate, Silica, Sulfate, Zinc



AQUA
Water Sampler
Stationary or Portable





TriOS



TriOS is an established manufacturer of high quality optical technology water sensor. Established since 1998 in Germany, **TriOS** continues to innovate and becomes one of most established company for its technology.

TriOS can support measurement of water quality in :

- Surface water river, lake, sea water
- Water Treatment
- Wastewater Treatment
- Industrial Water

**Product for "SPARING"
application in Indonesia**

TriOS sensors are robustly produced so that its deep sea version can withstand pressures up to 600 bar. **TriOS** sensors use low power and can be directly connected to an external datalogger. Various optical pathlength are also available to offer flexibility to serve various measurement ranges required for raw water, wastewater/process water or clean water.





TriOS



OPUS
COD, BOD, DOC, TOC,
NO₃ (Nitrate), NO₂
(Nitrite), TSS



LISA-UV
COD, BOD, DOC, TOC,
Turbidity, TSS



LISA-Color
DIN EN ISO 7887 /
APHA Hazen Pt-Co / Cr-
Co



enviroFlu
Oil in water (PAH), BTX



microFlu V2
Algae, Chlorophyll, CDOM,
Cyanobacteria, Rhodamine,
Phycocyanin, Tryptophan



Wiper W55



FlowCell



eCHEM
pH, Conductivity / TDS, DO, Chlorine, Turbidity / TSS



TriBox Mini



TriBox 3



TW Master Series Turbidity, pH, Conductivity (more is planned in future)

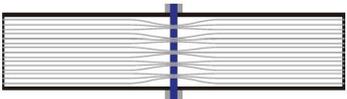


KeyonTechs Flowmeter



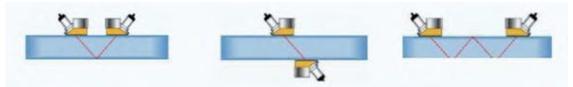
KeyonTechs, founded since 1992, is a *high tech* company with high innovation, specializeing in fluid measurement and calibration. **KeyonTechs'** flowmeter technology originated from NASA for the flow measurement of *liquified oxygen* dan *hydrogen installed in aerospace*. Now, this technology also helps various other industries to save cost, reduce emissions.

Balanced venturi flowmeter using differential pressure (gas, liquid, steam)



High accuracy
Low pressure loss
Short straight pipe run
Long term stability

Ultrasonic gas flowmeter, liquid ultrasonic & clamp-on (clean gas & liquid)



Electromagnetic flowmeter (conductive liquid; water or chemical)



GAUSS

Magnetic Separator & Metal Detector

MSI **EAB**
Magnetic Systems International

We can provide various standard off-the-shelf product or customized product according to the requirement.



Rod magnet



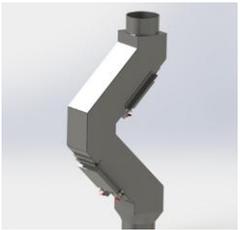
Plate magnet



Grate magnet



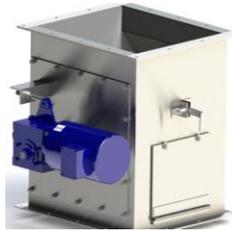
Housing magnet (static or rotating)



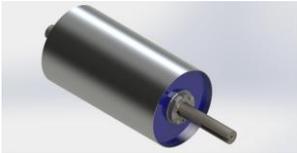
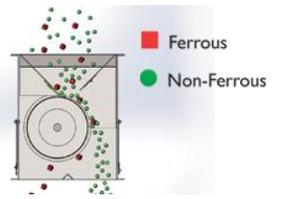
Hump (chute) magnet



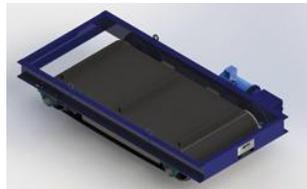
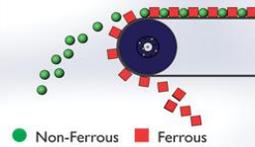
Liquid Trap



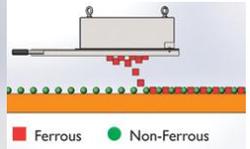
Drum magnet



Pulley magnet



Suspended magnet



Eddy current separator



Lifting magnet



Magnetic sweeper



Metal detector for Food & Pharmaceutical products

Metal detector for Heavy industry

