

Company Profile

Berdiri sejak tahun 1991, **PT Unitek Standarindo Engineering** terus memberikan Solusi *design, supply* and *service* peralatan Teknik untuk berbagai industry.

Solusi Produk dan Partner

*Combustion
Burner*



*Magnetic Separator &
Metal Detector*



*Gas Detector
&
Gas Analyzer*



*Water
Analyzer*



Flowmeter



System Integration

Kami dapat memberikan saran mengenai pemilihan produk, desain system yang sesuai dengan aplikasi dan pemasangan di lokasi Anda. *System integration* dapat dikerjakan di *workshop* kami di Tangerang, Jawa Barat.



Workshop



Integrated Skid with Control Panel for Gas Burner Valve Train

Jasa Layanan



Site survey & installation



Testing & commissioning



Training



Service maintenance & calibration



Troubleshooting & repair

Honeywell

Honeywell Thermal Solutions

Honeywell Thermal Solutions (HTS) memiliki instalasi pembakar, katup, sensor, dan kontrol terpasang terbesar di dunia. Dengan lebih dari 100 tahun inovasi terdepan di industri dan pengalaman di lapangan, HTS menyediakan solusi untuk memaksimalkan produktifitas, keselamatan kerja, sekaligus mengurangi biaya pemasangan dan pemeliharaan.

HONEYWELL THERMAL SOLUTIONS

Honeywell
kromschroder

Honeywell
ECLIPSE

Honeywell
MAXON

Honeywell Combustion Service

Honeywell Combustion Controls

Honeywell Combustion Safety

Hauck

Exothermics

[ref: https://automation.honeywell.com/us/en](https://automation.honeywell.com/us/en)

RIELLO

Riello Burner

Bermula dari mengembangkan *light oil burner* untuk oven pembuat roti di masa krisis ekonomi setelah perang dunia pertama di Italia, **Riello Burner** kini memproduksi berbagai macam *burner* untuk aplikasi perumahan, komersial, dan industri, untuk operasi *single-stage*, *dual-stage*, ataupun *modulating*.

Riello memiliki filosofi untuk terus mengembangkan inovasi dan keberlanjutan, dan sekarangpun terus merilis produk baru seperti untuk aplikasi *burner low NOx*, *ultra low NOx* dan *Hydrogen-ready*.



Riello ***monoblock burner*** mengintegrasikan *blower* udara, katup-katup dan aksesoris lainnya ke badan *burner* untuk menghasilkan *burner* yang kompak dan sederhana.



Oil burner



Gas burner



Dual-fuel burner



Low NOx burner



Kane Flue Gas Tester



Kane adalah salah satu pemasok terkemuka di *United Kingdom (UK)* untuk alat ukur gas buang portabel dan alat uji emisi gas buang kendaraan bermotor yang berdiri sejak 1954. Kane *Flue Gas Analyzer (FGA)* telah tersertifikasi sesuai dengan EN50379 oleh TUV.

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 mengembangkan dan memproduksi sistem deteksi gas (*gas detector*) yang andal yang secara terus-menerus dari Jerman (*Germany*). Berkat beragam metode deteksi gas yang MSR miliki dan pengembangan berkelanjutan produk, MSR dapat menawarkan sensor gas dan sistem yang dapat disesuaikan secara individual untuk pelanggan.



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...

Menyediakan solusi untuk berbagai aplikasi dengan lebih dari 100 pilihan kepala sensor gas untuk *COMBUSTIBLE*, *TOXIC*, dan *REFRIGERANT gases*. Adanya opsi komunikasi analog dan digital, MSR menawarkan integrasi yang fleksibel untuk sistem pemantauan gas.



AccuFloc Streaming Current Monitor



AccuFloc mengembangkan produk *Streaming Current Monitor* (SCM) sejak tahun 2003 di *New Zealand*. Hingga kini, Accufloc adalah satu-satunya produsen SCM yang menggunakan algoritme *Fast Fourier Transformer* (FFT) dalam pemrosesan sinyal untuk memudahkan penggunaan oleh Operator. Kini, model AF9000 adalah SCM generasi terbaru dari Accufloc yang dilengkapi dengan inovasi baru dalam elektronik dan penggerakan pistonnya.



Gunakan SCM untuk optimasi dosis koagulan di IPA (instalasi pengolahan air) atau IPAL (instalasi pengolahan air limbah) dengan respon per detik perubahan kondisi sumber air.

Pergerakan piston dengan menggunakan *Frictionless linear drive* (sistem penggerak linear tanpa gesekan).

Kalibrasi SCM dengan satu tombol.

Penggunaan dan pemeliharaan yang lebih mudah.

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) adalah produsen instrumentasi alat ukur air, didirikan pada tahun 1977. Produk ECD telah digunakan untuk berbagai industry dan aplikasi yang luas dan menuntut seperti:

- Pengolahan Air Bersih & Air Limbah (*water & wastewater*),
- Makanan & Minuman (*food & beverages*),
- Farmasi (*pharmaceutical*),
- Semikonduktor (*semiconductor*),
- Pembangkit Listrik (*power generation*),
- Minyak dan gas (*oil and gas*),
- Kimia (*chemical*),
- Pertambangan (*mining*),
- Pulp & Kertas (*pulp & paper*),
- Baja (*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 adalah produsen sensor air *optical online* yang terpercaya. Berdiri sejak 1998 di Jerman, perusahaan ini terus berinovasi dan menjadi salah satu perusahaan terdepan dalam teknologi-nya.

Trios dapat mendukung aplikasi pengukuran baku mutu air, seperti di:

- Air permukaan sungai, danau, laut (*Surface water river, lake, sea water*)
- Pengolahan Air (*Water Treatment*)
- Pengolahan Air Limbah (*Wastewater Treatment*)
- Air Industri (*Industrial Water*)

**Product untuk aplikasi
"SPARING" di Indonesia**

Sensor **TriOS** diproduksi secara kuat sehingga sensor versi laut dalam-nya mampu bertahan dalam tekanan hingga 600 bar. Sensor **TriOS** menggunakan daya rendah dan dapat dihubungkan langsung ke *datalogger* eksternal.

Berbagai *optical pathlength* sensor juga tersedia untuk melayani berbagai *range* pengukuran yang dibutuhkan air baku, air limbah/proses, atau air bersih.





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)

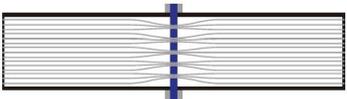


KeyonTechs Flowmeter



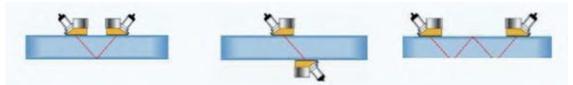
KeyonTechs, berdiri sejak 1992, adalah Perusahaan *high-tech* dengan inovasi tinggi, yang spesialisasi dalam pengukuran fluida dan kalibrasi. Teknologi flowmeter KeyonTechs awalnya berasal dari NASA untuk pengukuran *liquified oxygen* dan *hydrogen* yang terpasang di pesawat luar angkasa. Sekarang, penemuan ini telah membantu penghematan biaya dan emisi di industri dirgantara dan industri lainnya, dan juga berkembang solusi flowmeter dengan metode lainnya.

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

Kami dapat menyediakan berbagai produk standard siap pakai atau produk *customized* sesuai kebutuhan.



Rod magnet



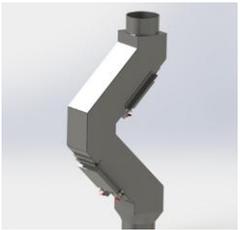
Plate magnet



Grate magnet



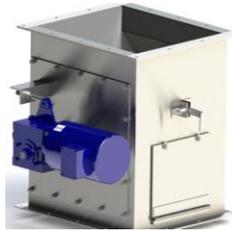
Housing magnet (static or rotating)



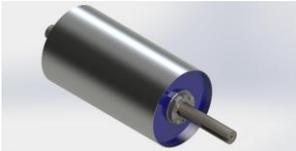
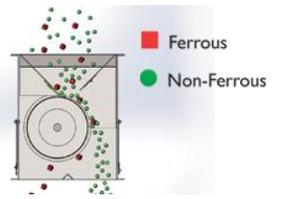
Hump (chute) magnet



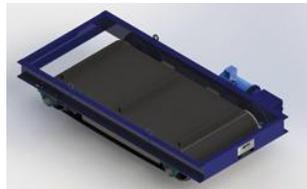
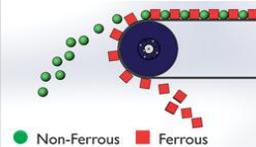
Liquid Trap



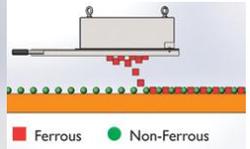
Drum magnet



Pulley magnet



Suspended magnet



Eddy current separator



Lifting magnet



Magnetic sweeper



Metal detector for Food & Pharmaceutical products

Metal detector for Heavy industry

