

# ICONIQ CONTROL PVT LTD.

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We take pride in introducing ourselves as a reliable solution provider in field of Industrial Instrumentation and plant automation, we are manufacturer, authorized channel partner and service provider in industrial automation.

At Iconiq Control Pvt Ltd, innovation meets precision to transform the way industries manage instrumentation and automation systems. At Iconiq Control, we are dedicated to providing cutting-edge solutions that empower industries to optimize their operations, enhance efficiency and streamline control processes with sustainability. Our commitment to excellence, technological expertise, and a passion for delivering tailor-made solutions sets us apart as a leader in the field. We believe that every problem has a solution, and we're here to create the right solution for you. Iconiq Control Pvt Ltd. has rapidly grown to become a leading force in the world of instrumentation and automation technology. With a passion for staying ahead of the curve, we continuously strive to provide our clients with state-of-the-art solutions that empower their production and operations.

## Why Choose Us

**Innovation :** We stay at the forefront of technological advancements to offer the most innovative solutions for your needs.

**Quality :** Our commitment to quality ensures that our control and automation systems are reliable and durable.

**Customer-Centric :** We put our customers at the center of everything we do. Your satisfaction is our priority.

**Expertise :** With a team of highly skilled professionals, we have the knowledge and experience to tackle diverse challenges.

**Sustainability :** We believe in responsible and sustainable solutions.

## Industries we serve :

1. Power

2. Pulp & Paper

3. Cement

4. Pharmaceuticals

5. Food & Beverage

6. Steel & Minerals

7. Oil & Gas

8. Textile

9. Chemical & Fertilizer

10. Water & Waste Water

11. Research

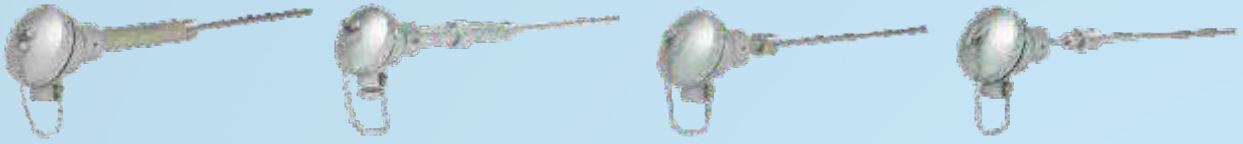
12. Railways



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## RESISTANCE TEMPERATURE DETECTOR

- Connection : Fixed, Adjustable, Nipple, N-U-N, Flanged & Threaded
- Accuracy : Class A, Class B
- Element : Pt100, Pt500 & Pt1000
- Sheath : Mineral Insulated Cable
- Enclosure : Aluminium, SS with IP65, IP66, IP67, IP68, Ex-proof, Flameproof, ATEX



## THERMOCOUPLE

- Connection : Fixed, Adjustable, Nipple, N-U-N, Flanged & Threaded
- Accuracy : Class 1
- Element : J, K, T, E, N, R, S, U, B
- Sheath : Mineral Insulated Cable
- Sheath Material : SS 316, SS310, SS446, Inconel 600, Inconel 800
- Enclosure : Aluminium, SS with IP65, IP66, IP67, IP68, Ex-proof, Flameproof, ATEX



## THERMOWELL

- Construction : Barstock, Fabricated
- Connection : Threaded, Flanged, Sanitary etc.
- Material : Alloy Steel, Stainless Steel, Duplex Steel, Nickel Alloys, Superalloys, Titanium, Tantalum



**BALL VALVE**

Material : SS304, SS316, SS316L etc.  
 Connection : BSPP, NPT etc.  
 Pressure rating : 1500 psi, 3000 psi & 6000 psi



**NEEDLE VALVE**

Type : Isolation, Single Block & Bleed, Double Block & Bleed, Multiport  
 Connection : BSPP, NPT etc.  
 Material : Alloy Steel, Stainless Steel, Duplex Steel, Nickel Alloys, Superalloys, Titanium, Tantalum  
 Pressure : 6000 psi, 10000 psi & 15000 psi etc.



**MANIFOLDS**

Type : 2-WAY, 3-WAY, 4-WAY, 5-WAY, DISTRIBUTION  
 Connection : BSPP, NPT, Coplanar etc.  
 Material : Alloy Steel, Stainless Steel, Duplex Steel, Nickel Alloys, Superalloys, Titanium, Tantalum  
 Pressure : 6000 psi, 10000 psi & 15000 psi etc.



**MONOFLANGE**

Type : Single Block & Bleed, Double Block & Bleed  
 Connection : Flanged as ANSI, EN etc.  
 Material : Alloy Steel, Stainless Steel, Duplex Steel, Nickel Alloys, Superalloys, Titanium, Tantalum  
 Pressure Rating : As per Flange size & rating



INSTRUMENTATION FITTINGS



Male Connector



Cross



Elbow



Tee



Union



## STANDARD FULL SS PRESSURE GAUGE

Dial Size : 40mm, 50mm, 63mm, 80mm, 100mm, 125mm, 150mm & 250mm  
 Ranges : -1 to 0...0.6 to 2100 bar  
 Wetted Parts : SS 316L & Monel  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 0.5, CL 1.0 & CL 1.6  
 Dampening Liquid : Dry, Fillable & Filled  
 Standard followed : EN837-1, ANSI B40.1, IS 3624 & other National / International Standards



## SOLID FRONT FULL SS PRESSURE GAUGE

Dial Size : 63mm, 100mm & 150mm  
 Ranges : -1 to 0...0.6 to 2100 bar  
 Wetted Parts : SS 316L & Monel  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 0.5, CL 1.0 & CL 1.6  
 Dampening Liquid : Dry, Fillable & Filled  
 Standard followed : EN837-1, ANSI B40.1, IS 3624 & other National / International Standards



## LOW PRESSURE CAPSULE PRESSURE GAUGES

Dial Size : 63mm, 100mm & 150mm  
 Ranges : -6000mmWC to 0...250mmWC to 6000mmWC  
 Wetted Parts : SS 316  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 1.6  
 Standard followed : EN837-1, ANSI B40.1, IS 3624 & other National / International Standards



## LOW PRESSURE DIAPHRAGM PRESSURE GAUGES

Dial Size : 100mm & 150mm  
 Ranges : -1bar to 0...250mmWC to 16bar  
 Wetted Parts : SS 316, Monel & Hastelloy 'C-276'  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 1.6  
 Standard followed : EN837-1, ANSI B40.1, IS 3624 & other National / International Standards



## ELECTRIC CONTACT HI-CASE FULL SS PRESSURE GAUGE

Dial Size : 100mm & 150mm  
 Ranges : -1 to 0...0.6 to 2100 bar  
 Wetted Parts : SS 316L & Monel  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 0.5, CL 1.0 & CL 1.6  
 Dampening Liquid : Dry, Fillable & Filled  
 Standard followed : EN837-1, ANSI B40.1, IS 3624 & other National / International Standards  
 Contact Type : Magnetic Snap Action & ATEX Inductive Contact  
 No. of Contacts : Single, Double & Triple Contacts for ON / OFF action



## DIFFERENTIAL PRESSURE GAUGES – SINGLE & DOUBLE DIAPHRAGM

Type : Single & Double Diaphragm  
 Dial Size : 100mm & 150mm  
 Ranges : -6000mmWC to 0...250mmWC to 16bar  
 Static Pressure : 60 bar (Single Diaphragm) & 100bar (Double Diaphragm)  
 Wetted Parts : SS 316, Monel & Hastelloy 'C-276'  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 1.6 & CL 2.5  
 Standard followed : EN837-3 & other National / International Standards



## DIFFERENTIAL PRESSURE GAUGES – PISTON OPERATED

Dial Size : 63mm, 100mm & 150mm  
 Ranges : 25mbar to 4bar  
 Static Pressure : 200bar  
 Wetted Parts : SS 316  
 Mounting : Bottom, Back and with mounting bracket accessories  
 Accuracy : CL 1.6 & CL 2.5



## BIMETAL TEMPERATURE GAUGE

Dial Size : 63mm, 80mm, 100mm, 125mm&150mm  
 Ranges : -100°C to 0...50°C to 650°C  
 Stem Sizes : 6.0mm, 6.35mm, 8.0mm, 9.5mm, 10mm & 12.0mm  
 Mounting : Bottom, Back, Elbow & Every Angle  
 Accuracy : CL 1.0  
 Dampening Liquid : Dry, Fillable & Filled  
 Standard followed : EN13190 & other National / International Standards



## INERT GAS FILLED TEMPERATURE GAUGE

Dial Size : 100mm, 125mm & 150mm  
 Ranges : -100°C to 0...50°C to 650°C  
 Stem Sizes : 6.0mm, 6.35mm, 8.0mm, 9.5mm, 10mm & 12.0mm  
 Mounting : Bottom, Back, Every Angle and with mounting bracket accessories  
 Stem Mounting : With Capillary & without Capillary  
 Accuracy : CL 1.0  
 Dampening Liquid : Dry, Fillable & Filled  
 Standard followed : EN13190 & other National / International Standards



## INERT GAS FILLED ELECTRIC CONTACT TEMPERATURE GAUGE

Dial Size : 100mm, 125mm & 150mm  
 Ranges : -100°C to 0...50°C to 650°C  
 Stem Sizes : 6.0mm, 6.35mm, 8.0mm, 9.5mm, 10mm & 12.0mm  
 Mounting : Bottom, Back, Every Angle and with mounting bracket accessories  
 Stem Mounting : With Capillary & without Capillary  
 Accuracy : CL 1.0  
 Dampening Liquid : Dry, Fillable & Filled  
 Standard followed : EN13190 & other National / International Standards  
 Contact Type : Magnetic Snap Action & ATEX Inductive Contact  
 No. of Contacts : Single, Double & Triple Contacts for ON / OFF action

# DIAPHRAGM SEAL



Type : Insert Diaphragm, Flush Diaphragm, Extended Neck, I-Section  
 Connection : Threaded, Flanged as per ANSI or API and National / International Standard  
 Ranges : -1bar to 0...0.6 bar to 1000bar  
 Diaphragm : SS 316L, Monel, Inconel, Hastelloy 'C-276', PTFE, Titanium, Tantalum etc.  
 Flange/Connection : Alloy Steel, Stainless Steel, Duplex Steel, Nickel Alloys, Superalloys, Titanium, Tantalum

# ACCESSORIES



## SIPHON

Type : Coil, Pigtail(Q), U  
 Material : SS304, SS316, SS316L etc.  
 Connection : BSPP, NPT etc.  
 Pressure Rating : According pipe size & schedule



## GAUGE SAVER

Type : Bellow, Piston  
 Range : 0.6 bar to 400 bar  
 Material : SS304, SS316, SS316L, Monel, Hastelloy 'C-276' etc.  
 Connection : BSPP, NPT etc.  
 Pressure Rating : 600 bar

## Igniter

Model



## Igniter

Model



## Igniter

Model



## Burner

Model



## Gas fired igniter

Benefits

- Available in different sizes from 2 kW to 6 MW (according to NFPA classes 1, 2 or 3)
- Available with integrated ionization flame monitor and ignition transformer or burner control, thus no additional electrical installation and cabling effort
- Robust and easy to maintain: all electrical and mechanical components easily replaceable
- Gas burner for zone 1/21 and zone 2/22 available (ATEX and IECEx)
- Divisible solutions for large tube lengths available

## Gas fired igniter

Benefits

- Self-aspirating gas fired igniter
- Capacity from 17 to 458 kW
- Integrated sparkplug(s) and ionisation electrode
- Standard diameter 38, 48,3 and 54 mm
- Special diameter 32 mm
- Self-aspirating, forced air supply or combination
- Insensitive for pressure fluctuations
- Explosion proof version (ATEX and IECEx)
- High energy ignition

## Oil fired igniter/Dual fuel igniter

Benefits

- For the oil fired igniter: different sizes of 300 kW to 3600 kW available
- For the dual fuel igniter: Sizes: 400 kW (gas) and 1000 kW (oil) or 1000 kW (gas) and 1000 kW (oil) available
- Available with integrated ionization flame monitor and ignition transformer or burner control, thus no additional electrical installation and cabling effort
- Robust and easy to maintain: all electrical and mechanical components easily replaceable
- Gas burner for zone 1/21 and zone 2/22 available (ATEX and IECEx)
- Safety operation for different oil qualities
- Maintainability by compressed air operation

## Gas burner

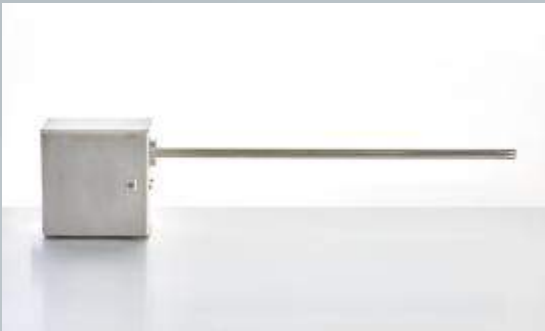
Benefits

- 4.5 MW available
- Different sizes from 15 kW to
- Available with integrated ionization flame monitor and ignition transformer or burner control, thus no additional electrical installation and cabling effort
- Robust and easy to maintain: all electrical and mechanical components easily replaceable
- Operation 1-stage, 2-stage or modulating
- Gas burner for zone 1/21 and zone 2/22 available (ATEX and IECEx)



Plasma ignition system

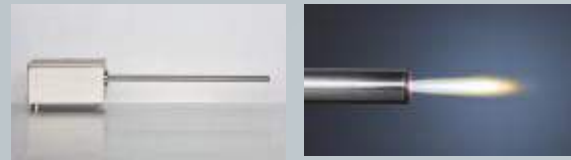
Model



Microwave plasma ignition system

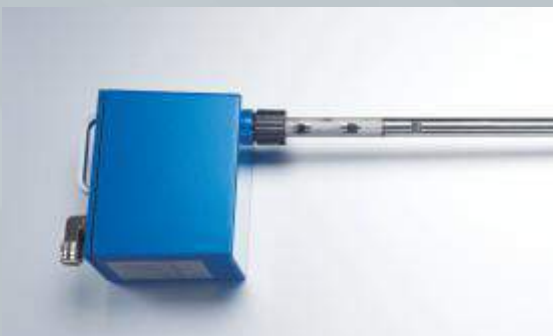
Benefits

- Available with 1 kW and 3 kW heat release
- Plasma temperature: approx. 3500 °C
- Direct ignition of flame resistant fuels and dusty solid fuels such as coal and biomass dust
- Saving on installation costs (for new plants) and operating costs
- Low wearing of the plasma ignition tip -> low maintenance



D-HG 400

Model



High energy ignition device

Benefits

- Reliable ignition of gas and liquid fuels
- Compact set-up for directly mounted rigid ignition lance or connection over high voltage cable
- Ignition feedback signal via potential-free relay output
- Ignition power: 90 J/s
- Ignition energy/spark: 4.5 J
- Ignition frequency: 20 sparks/second



D-HG 500/550

Model



High energy ignition device

Benefits

- Reliable ignition of gas and liquid fuels
- Ideal for direct ignition of start-up oil burners in power plant boilers
- Microcontroller for side configuration and device analysis via interface
- Parametrable ignition frequency and ignition time to reduce wear and costs
- Ready for ignition and ignition feedback signal via potential-free relay output
- Ignition power: 5.6–112 J/s
- Ignition energy/spark: 5.6 J
- Ignition frequency: 1–20 sparks/second



## SPI

### Model



## Portable igniter

### Benefits

- Compact and lightweight design for easy use
- Efficient design for one man operation
- Non-wearing electronic design for reliable operation
- Battery operated, no fixed power supply required
- LED-indication for battery status
- Spark energy: 2 J
- Spark frequency: 3 Sparks/s

## Ignition lances

### Model



## Ignition lances

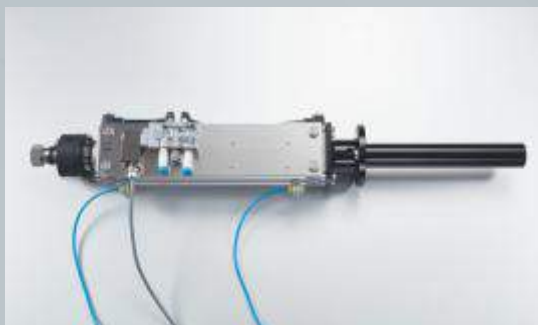
### Benefits

- Standard diameter 12, 15, 17.2, 22, 25 and 26.7 mm
- Modular lance length till 15 meter
- Custom built solutions for reduced diameters and partible lances
- Flexible or angled ignition lances for tilting burners or direct spark ignition of flares
- Explosion proof cable connection



## D-VE 5xx, P.R.U, R0L

### Model



## Retraction device

### Benefits

- Precise and repeatable positioning of the ignition tip
- Safe retraction after successful ignition, to protect from damage due to high temperatures in the flame area
- Application specific stroke length
- Customized solenoid valves
- Special versions in stainless steel

## Sparkplugs

### Model



## Sparkplugs

### Benefits

- Design according to specification and diameters from 7 to 25 mm
- Angled sparkplugs
- Standard temperature range till 600 °C, short term till 800 °C.
- High temperature version till 1000 °C
- Special sparkplugs for ignition of heavy oil and high pressure application

D-LE 603

Model



Flame sensor

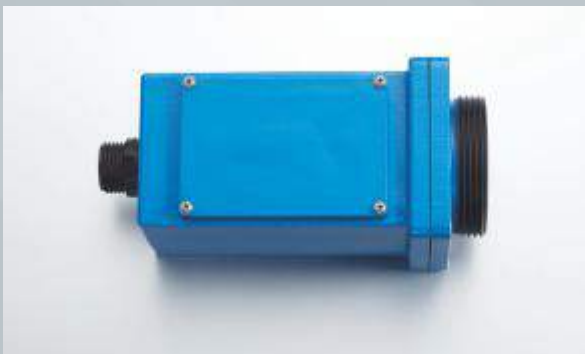
Benefits

- Optical flame sensors for every spectral flame monitoring range from UV to IR: This allows the monitoring of flames from all fuels.
- Connection to the D-UG 120 control units, D-UG 660 control units as well as to the D-GF 150(-MB) burner controls
- Adjustable to many different combustion technologies
- Variants available for the common hazardous area (Ex-) certificates
- Variant available with double detector (UV and IR)



D-LE 703

Model



Flame sensor

Benefits

- Optical flame sensors for every spectral flame monitoring range from UV to IR: This allows the monitoring of flames from all fuels.
- Connection to the D-UG 120 control units, D-UG 660 control units as well as to the D-GF 150(-MB) burner controls
- Adjustable to many different combustion technologies
- Combination with fibre optic systems D-LL 703 and D-LL 704
- Functionality of electronics identical to D-LE 603

D-LL 70x

Model



Fibre optic systems

Benefits

- Flame monitoring at very high ambient temperatures (up to 350 °C w/o cooling)
- Flame monitoring of tilting burners or without direct optical view
- Flame monitoring for applications with strong vibrations or busy burner plates
- Long life time due to large number of fibres in the bundle
- Absolutely reproducible positioning and alignment after cleaning of optics
- Different Versions for a wide variety of applications
- Lengths of 20 m and more possible
- Different flame sensors/monitors can be used w/o change
- Fibre optic system not part of flame monitors Ex-certificate

## D-LX 100

Model



## Compact flame monitor

Benefits

- Compact setup, flame sensor and control unit in one housing
- Versatile detection
- LED display for settings and operational status
- Suitable for intermittent operation as well as continuous operation
- Confirmed for operation up to SIL3



## D-LX 110/710

Model



## Compact flame monitor

Benefits

- For ambient temperatures from  $-40\text{ }^{\circ}\text{C}$  up to  $+75/70\text{ }^{\circ}\text{C}$ , certified and without need for accessories
- Variants for common Ex approvals available, also in combination with fibre optic systems
- LED display for settings and operational status, visible for all versions at a single glance
- Suitable for intermittent operation as well as continuous operation
- Flame relay output as changeover relay (SPDT, 1 x NO, 1 x NC)
- Confirmed for operation up to SIL3



## D-LX 201/721

Model



## Compact flame monitor

Benefits

- For ambient temperatures from  $-40\text{ }^{\circ}\text{C}$  up to  $+85\text{ }^{\circ}\text{C}$ , certified and without need for accessories
- Wide sensitivity range
- Ideal support for Functional Safety up to SIL3
- Wide range of certifications and standards covered
- Suitable for intermittent operation as well as continuous operation
- Highest safety combined with highest availability through two channel design
- Selective monitoring even with a large number of burners by the advanced digital filtering
- Load/fuel flexibility of plant
- Local display for status and flame intensity
- Optional flame stability analysis in real time



AAC 76, AAL 76

Model



Ionisation flame monitor

Benefits

- Effective and undisturbed monitoring of the flame by ionisation
- National and international approvals available
- Optional available with flame signal converter 4...20 mA and bargraph display
- Temporary acquisition of the  $\mu\text{A}$  signal for simplified adjustment of operating pressures of igniter/burner

D-GT 800

Model



Flame sensor

Benefits

- Optical flame sensor for the operation at very high ambient temperatures (w/o cooling 120 °C, with cooling up to 300 °C)
- Applicable for high combustion chamber overpressure up to 30 bar
- High vibration resistance
- Connection to the D-UG 120 control units, D-UG 660 control units as well as to the D-GF 150(-MB) burner controls
- Alternatively with or without cooling jacket
- Variants with Ex-certification available

D-LE 103

Model



Flame sensor

Benefits

- Optical flame sensors for every spectral flame monitoring range from UV to IR: This allows the monitoring of flames from all fuels
- Connection to the D-UG 120 control units, D-UG 660 control units as well as to the D-GF 150(-MB) burner controls
- Small space requirements at the burner plate

D-UG 660

Model



Control unit

Benefits

- Suitable for intermittent operation as well as continuous operation
- Optional parallel operation of two flame sensors in any combination: UV/UV, UV/IR or IR/IR
- Three different settings supported for various operation modes
- Plain text display

## D-FS 50

Model



## Furnace camera

Benefits

- Brilliant live images
- Wide view inside the combustion chamber
- Digital colour camera 1280 x 960p
- Air or water cooled for up to 2000 °C in the combustion chamber
- Temperature monitoring with PT100
- Length up to 1500mm (60")
- Can be combined with the D-VT 50 and the D-VTA 200 software systems



## D-FS2

Model



## Furnace sensor

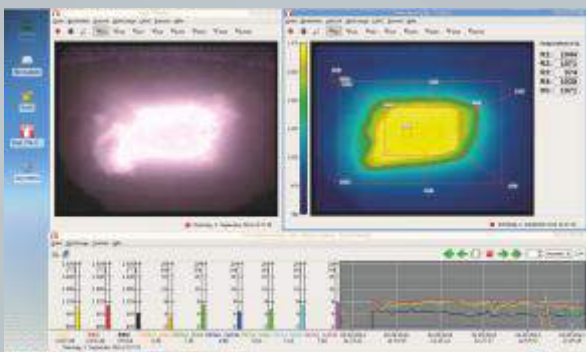
Benefits

- Camera outside the combustion chamber
- Special endoscope with high optical resolution
- Straight oriented and elbowed versions available
- Air or water cooled for up to 2000 °C in the combustion chamber
- Different digital cameras (e.g. 1280 x 960)
- Also available as IR version
- Can be combined with the D-VT 50 and the D-VTA 200 software systems
- Can optionally be combined with retraction unit and sensor control unit



## D-VTA 200

Model



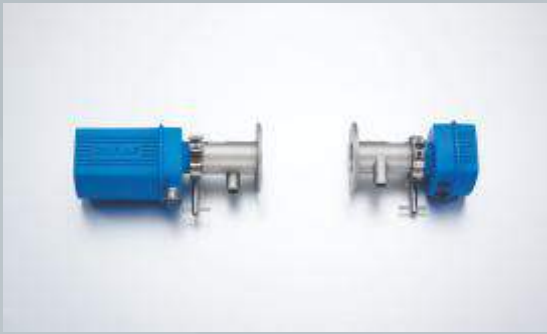
## Video and thermography system

Benefits

- 19" industrial PC with Thermography and Analysis software
- Displays the live video and temperature distribution out of the combustion chamber
- Freely definable ROIs for temperature measurement
- Modular software design, connection of up to 8 Furnace Cameras
- Video- and data recording to HDD
- Historical trend and alarm display
- Expandable with application specific software modules

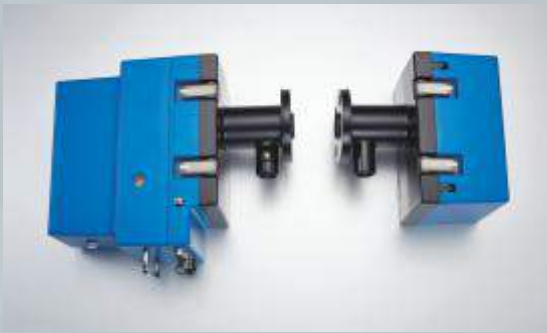
**D-R 220**

Model



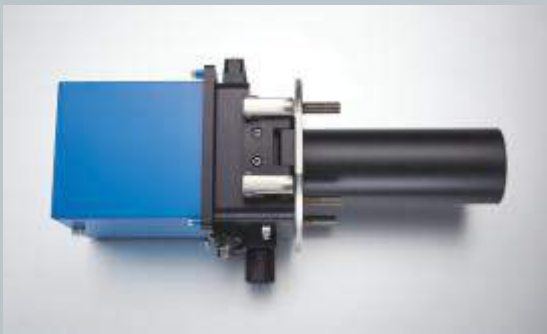
**D-R 290**

Model



**D-R 320**

Model



**D-R 808**

Model



**Dust/opacity measurement**

Benefits

- Continuous and contactless measurement of opacity and dust concentration
- Ideal for medium to large dust concentrations
- Automatic zero and reference point check
- TUV Approved certificate

**Dust/opacity measurement**

Benefits

- Continuous and contactless measurement of opacity and dust concentration
- Ideal for medium to large dust concentrations
- Automatic zero and reference point check
- Automatic contamination check and correction
- QAL1 certified according to EN 15267
- Compliant with US EPA PS 1 and ASTM 6216

**Dust measurement**

Benefits

- Continuous and contactless measurement of dust concentration
- Ideal for small to medium dust concentrations
- One-sided installation without optical alignment
- Automatic zero and reference point check
- Automatic contamination check and correction
- QAL1 certified according to EN 15267 and compliant with US EPA PS 11

**Dust measurement**

Benefits

- Continuous measurement of dust concentration
- Ideal for small to medium dust concentrations
- One-sided installation without optical alignment
- Automatic zero and reference point check
- Automatic contamination check and correction
- QAL1 certified according to EN 15267, compliant with US-EPA PS 11



## HM-1400 TRX 2



## Mercury analysis

### Benefits

- Continuous mercury measurement
- Measuring principle allows specification of elemental and oxidised mercury
- Automatic reference point check with internal HgCl<sub>2</sub> calibration gas generator
- No extremely heated components, easy to maintain
- QAL1 certified according to EN 15267

## 11-D



## Portable Aerosol Spectrometer

### Benefits

- 31 size channels, equidistant
- Particle size range 0.25–35 µm
- TSP, PM<sub>10</sub>, PM<sub>4</sub>, PM<sub>2.5</sub>, PM<sub>1</sub> PMcoarse, inhalable, thoracic, respirable
- Counts and Mass
- Built-in filter for gravimetric analysis
- Real-time and portable
- Advanced software

### Applications

- Aerosol science
- PM monitoring
- Indoor air quality (IAQ)
- Workplace monitoring
- Process control in industry

## EDM 180



## APPROVED PM MONITOR

### Benefits

- Certificates and approvals: US-EPA, UK-MCERTS, CN-CMA
- Demonstration of equivalence in over 20 countries
- Real-time monitoring of PM values (PM<sub>10</sub>, PM<sub>2.5</sub>, PM<sub>1</sub>) and particle number "Full flow analysis" of the entire sample volume

### Applications

- AMS for PM networks
- PM monitoring
- Epidemiological studies
- Monitoring of construction and mining sites

## EDM 280



## Environmental Dust Monitor For Pm Monitoring In Ambient Air

### Benefits

- Suitable for PM monitoring under any environmental conditions and at all sites (traffic, urban, background, maritime, mountain and others)
- Robust design, energy efficient and lowest running costs
- Low maintenance due to internal particle-free purge-air circuit to protect the optical components
- Fits in all existing EDM (180, 180+) installations
- Stand-alone option with fully air-conditioned weather protection housing (construction site monitoring, port facilities, etc.)

### Applications

- Approved immission measuring device for particulate matter PM<sub>10</sub> and PM<sub>2.5</sub> in air monitoring networks
- Source apportionment with high time resolution for air pollution control strategies
- Insensitive to vibrations, therefore also suitable for installation in measuring vehicles





**T/VIS-TR**  
VISIBILITY MONITORING SYSTEM

Visibility measuring system according to the transmission principle, specially developed for the requirements in tunnels. The measuring range for the analog signal is freely assignable.



**T/FL-US**  
AIR FLOW MONITORING SYSTEM

Accurate ultrasonic air flow measuring system based on different transition times of ultrasonic pulses. Reliably measures the average air flow over the whole tunnel cross section.



**T/LUM**  
LUMINANCE METER

Photometer to measure the luminance in the access zone, threshold zone and interior zone of tunnels. Includes a zoom lens to adjust the focus areas.



**T/FL-DP**  
AIR FLOW MONITORING SYSTEM

Robust air flow monitoring system based on high-precision differential pressure measurement. Specifically designed for tunnels.



**SMART/AQM**  
AIR QUALITY MONITOR

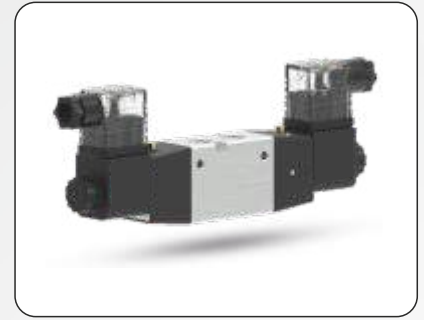
IoT-enabled visibility and gas sensor for use in tunnels. The visibility measurement is based on the scattered light principle, the gas measurement is performed with up to 3 electrochemical cells.



**SMART/ECS**  
GAS SENSOR

IoT-enabled gas sensor for electrochemical measurement of gas concentration with up to four gas sensors modules. Specifically designed for application in tunnels.

## Valves Product Range:



Solenoid Valves - • 2 Way • 3 Way • 5 Way • Namur Valves



Ball Valves : Sizes- 1/4 " to 20" • Body Material- WCB/CF8/CF8M/MS • Pressure Range - Upto 20 Bar • Seal Material- PTFE, Teflon, CFT, GFT, Metal Seated etc



Butterfly Valves: Sizes- 1/2 " to 20" • Body Material- WCB/CF8/CF8M/MS • Disc Material: SS304, SS316, SGI, Teflon Coated/Rubber Line • Pressure Range - Upto 20 Bar • Seal Material- PTFE, Teflon, EPDM, Silicon, Viton etc



Knife Gate Valves: Size: 6mm to 300mm (1/4" to 12") • Body & End Piece: Cast Steel, Stainless Steel etc • Ratings: 150# to 600# equivalent in BS10, DIN etc • Seat Material: PTFE, Teflon, CFT, GFT, Metal Seated etc.



**Pneumatic Cylinders :** • Size: Bore upto 500MM & Stroke upto 3000MM • Barrel: Stainless Steel • Piston Rod: En-8 with hard chrome plated • Piston Rod Dia: 25 MM to 70MM • Top/End Cover: Cast Iron • Seals: Nitrile, Viton-only for high temp.



**Pneumatic Panels :** • Weatherproof • Flameproof • Customised



**Positioners :** • Pneumatic - Pneumatic • Electro-Pneumatic • Smart Type



**Limit Switch Box :** • Weather Proof • Flame Proof • Aluminium/SS

# Clientele



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