



MZ Construction Consumable Supplies LTD

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PRODUCT CATALOG

Industrial, Pharmaceutical, Oil&Gas

Food&Beverage, Power Plant

Wastewater Treatment

EMERSON TANK GAUGING SYSTEM

- SIL 2/3 Custody Transfer Radar Level Transmitter
- PC-Based Tank Inventory System
- Multi-Spot Temp Sensor
- Pressure / Density
- Overfill Protection
- Vibration Level Switch
- WirelessHART

ROSEMOUNT LIQUID ANALYTICS

- pH/ORP
- Turbidity
- Conductivity
- Dissolved Oxygen
- Free / Total Chlorine
- MonoChloramine
- Ozone

INSTRUMENTS

- Pressure Transmitter
- Temperature Sensor
- Temperature Transmitter
- Level Transmitter
- Flow Meter

FLAME & GAS DETECTION

- Flame Detectors
- Toxic / Hazardous Gas Detectors
- Ultrasonic Gas Leak
- Air Particle Monitors
- Gas & Smoke Aspirators

MAGTECH

- Magnetic Level Gauge
- Magnetostrictive Level Transmitter
- Magnetic Multi-Float Level Switches

AMS

- AMS TREX HART / FF Communicator

ASCO

- Solenoid Valves

ANDERSON

GREENWOOD (AGCO)

- Instrument Manifolds
- Hand / Gauge Valves
- Needle / Bleed Valves

CAMERON

NUFLO™ BARTON™
CAMCOR™ CALDON™

FLOW

- Turbine
- Coriolis
- DP Cone
- Floco / PD Meter
- Custody Ultrasonic

FLOW COMPUTER

- Scanner / EFM / RTU (Press/Temp/GC Input)
- MC-II / MC-III Flow Analyzers

PRESSURE / DP / TEMP

- Chart Recorders
- DP Indicator / DPU
- DP Indicating Switch

Graphic Controls



CHART ACCESSORIES

- Chart, Pen, Ribbon, Accessories for All Major Industrial Recorder Makes

BATTERIES

EX STOCK FOR

- Cameron Nuflo MC-II / MC-III / Scanner 2000
- Fluidwell Indicators
- Contrec Indicators
- Siemens Clamp-On Ultrasonic Flow Meters



ITT NEO-DYN

PRESSURE / TEMPERATURE

- Switches / SIL3 / Ex
- Ex Stock for Most
- DP / Vacuum
- Tri-Clamp / Flanged
- Set-Point Stability
- Vibration Resistance
- High Over-Pressure Capability
- Snap Action Belleville Disc Design

xylem

Let's Solve Water

MCDONNELL MILLER SENSUS

LEVEL

- Boiler Level Controls
- Low Water Cut Off

FLOW

- Paddle Flow Switch for Liquid / Air / Ex
- Mechanical / SMART Water Meter

SIEMENS CONTROLOTRON™ MILLTRONICS™

PROCESS INSTRUMENTATION

FLOW

- Ultrasonic Clamp-On (Liquid/Gas)
- Ultrasonic Insert/Inline
- Electro-Magnetic
- Compact Magnetic
- Coriolis / Density
- DP / Hydrostatic
- Open Channel
- Vortex Mass
- Solid Flow

PRESSURE/TEMPERATURE

- Pressure Transmitters
- Temperature Transmitters
- Fiber-Optic Multipoint Temp RTD / TC Temp Sensors

LEVEL

- Ultrasonic
- RF Capacitance
- DP / Hydrostatic
- Radar / Guided Wave
- Vibration / Rotary Paddle

WEIGHING

- Load Cells
- Weigh Feeder
- Beltscale Flow

PROCESS PROTECTION

- Motion Sensors (Over / Under-Speed Proximity Sensors)
- Acoustic Sensors

OTHERS

- E/P SMART Valve Positioners (Replacement for All Brands)
- BTU Meter / Energy Calculator

CS INSTRUMENTS

FLOW

- Thermal Mass/Air
- Compact with P&T
- DP (for High Moisture)
- Flow Direction Switch

ANALYSER

- Dew Point / RH
- Air Leak
- Air Quality (Moisture, Residual Oil, Particle Count)

RECORDER

- Fixed / Mobile / Handheld
- Powers Multiple Sensors
- Leakage / Energy Analysis

OTHERS

- Magnetic Clamp-On RTD
- Power Meter / Current Transformer

NOSSHOK

KING-GAGE

PRESSURE/TEMP

- Gauge / Switch
- Transducer
- Ex Stock for Most

LEVEL

- Radar
- Bubbler
- Hydrostatic
- Bar Display
- Multi-Tank Level Display System

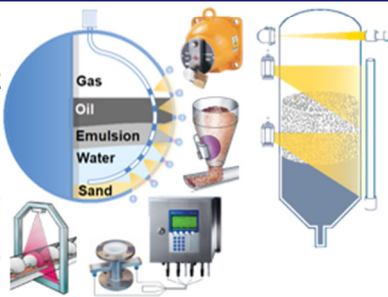
OTHERS

- Load Cells
- Compressed Air Filter / Regulator
- Manifold / Needle Valves
- Chain Hoist Test Kit
- Tension / Compression Force

BERTHOLD TECHNOLOGIES

RADIOACTIVE / MICROWAVE

- Level / Interface
- Density Profile for Multi-Phase Oil Separators
- Density (e.g. Tunnelling Soil)
- Bulk Flow
- Moisture / %Solids
- Concentration / Brix



HITROL

- LEVEL**
- Gauge
 - Styrofoam
 - Capacitance
 - Rotary Paddle
 - RF Admittance
 - Multi-Electrode
 - Float / Displacer
 - Vibration Rod / Fork

- FLOW**
- Cone / Venturi
 - Averaging Pitot
 - Wedge / Slurry
 - Paddle Switch

CHENZHU

- SIGNAL CONDITIONERS**
- Lightning Arrestor / Surge Protection
 - Isolated Barriers
 - Power Supplies
 - Safety Relay

BOPP & REUTHER MESSTECHNIK

- FLOW**
- Oval Wheel
 - CT Grade PD Meter
 - Conc / Density
 - Flow Computer

PRECISION DIGITAL

- PROCESS INDICATORS**
- Flow Rate/Totalizer / Process
 - Modbus Master / Snooper / Slave
 - Alarm Annunciator / Horn / Light
 - Start / Batch / Pause / Stop Buttons
 - Batch / Math / Average / Multi-Input
 - Signal / Setpt Generator / Calibrator
 - Signal Isolator / Conditioner / Splitter
 - Split Core AC Current Transformer/Transducer

FLUIDWELL

- LEVEL / OTHERS**
- GW Radar Level w/Alarm
 - Modbus / Analog Logger
 - Wireless Inventory System
- DIGITAL INDICATORS**
- Flow Rate/Totaliser w/HART
 - Bidirectional Flow Indicator
 - Pressure Monitor w/Alarms
 - Tachometer / RPM / Hours Run
 - Process Display / Battery / Exia / Exd
 - Batch Controller / Delivery Dispenser
 - Hydrogen Displacer (for Coriolis flowmeter)

contrec

- FLOW COMPUTERS**
- Flow Rate/Totalisers
 - BTU Energy Calculator
 - Gas/Steam Flow Computer
 - Loading Computer
 - Process Indicator
 - Batch Controller

INTRA-AUTOMATION IA

- FLOW**
- Pitot (Stack Gas / Steam / Liquid Air Purge Unit)
 - Cone / Venturi
 - Orifice / Nozzle
 - Wedge
 - Sight Glass Indicator
- LEVEL**
- Magnetic Gauge
 - Transparent Gauge
 - Reflex Gauge
 - Tubular Gauge
 - Float Switch
 - Float Indicator
 - Float Transmitter

Supmea

- RECORDER**
- Paperless
 - Electronic Chart
- ANALYSERS**
- Turbidity/SS/TSS
 - Conductivity (EC)
 - pH/ORP
 - DO
- INSTRUMENTS**
- Magnetic Flowmeters
 - Pressure Transmitters
 - Temperature Sensors
 - Level Transmitter Ultrasonic / Radar
- OTHERS**
- Signal Isolators
 - Signal Calibrator
 - Signal Generator
 - Process Indicators
 - Temp/PID Controller

GA

- PRESSURE/TEMP**
- Gauges / Switches
 - RTD/TC/NTC & Thermowells
- OTHERS**
- Instrument Sunshades

INSTRUMENT MANIFOLDS VALVES

- Needle / Bleed Valves
- Hand / Gauge Valves
- 2,3,5-Valve Manifolds
- Monoflange / Multiport
- Distribution Manifolds
- Gauge Acc (Snubber / Syphon, etc.)

Labkotec

- LEVEL**
- Water Bottom Level Sensor (Automated Dewatering)
 - Oil / Grease Alarm Sensors
 - Sand / Sludge Sensors
 - Wind Turbine Ice Detector
 - LPG/Petrol Station Fuel Inventory Management

COMATE

- FLOW**
- Vortex
 - Thermal
 - DP (for Wet Air)
 - Air Comp. Analyser / System

LEAKWISE IONICS AGAR

- OIL LEAK**
- Oil-on-Water Analyser
 - Oil Thickness

PKP

- FLOW**
- Rotameter(VA) / Switches
 - Flap / Paddle / Sight Indicators
 - Calorimetric / Thermal MFM / Insertion
 - Paddle / Oval / Gear / Turbine / Nutating Disc
- OTHERS**
- Level
 - Pressure
 - Temperature
 - Indicators

scanjet systems

- TANK CLEANING**
- Rotary Jet Head / Spray Nozzles
 - CIP Systems
 - F&B / Pharma / Industrial

WIRELESS / MODBUS

- Wireless / Telemetry Solutions (GSM / SMS / Webportal, etc.)
- Serial / Ethernet Converters
- Modbus HMI Display
- Modbus / 4-20 mA Converter/Display
- Analog to PC Software Display

OTHERS

- Solar Power Panels
 - Exd Enclosures / JB
 - pH / Recorder Panel (for Factory Drainage)
 - SMS Alarm Panels (e.g. Construction Site Grey Water / Septic Tank High Level Alarm for PUB / HDB)
 - Ultrasonic Pipe Thickness Gauge
 - Thickness Calibration Block
 - Electrical Panel Temp Alarm
 - Non-Contact Open Channel Flow Velocity / Flowrate Sensor
 - Low-Cost Ultrasonic Water Meter
- SERVICES**
- Onsite Clamp-On Flow Survey
 - Siemens Magflo Verification
 - Recorder Repair / Calibration
 - Turbine Flow Indicator Calibration
 - Testing & Commissioning
 - Maintenance Contract
 - Product Training
 - Radiation Training
 - Radiation Licensing
 - Radioactive Source Disposal

ENERAC

- GAS ANALYSER**
- Portable Emissions Gas Analyser for Automobiles / Engines
 - DPM Analyser / Smoke Test

NOV AXELSON BWB CONTROLS

- Sand Probe
- SSV Protector
- ECS/ESP Sensor
- Pneumatic / Hydraulic Pressure Sensors / Relay

Total flow control. Accurate to the drop.

ISOMAG

The friendly
magmeter



ISOFLUX

The ultrasonic
meter



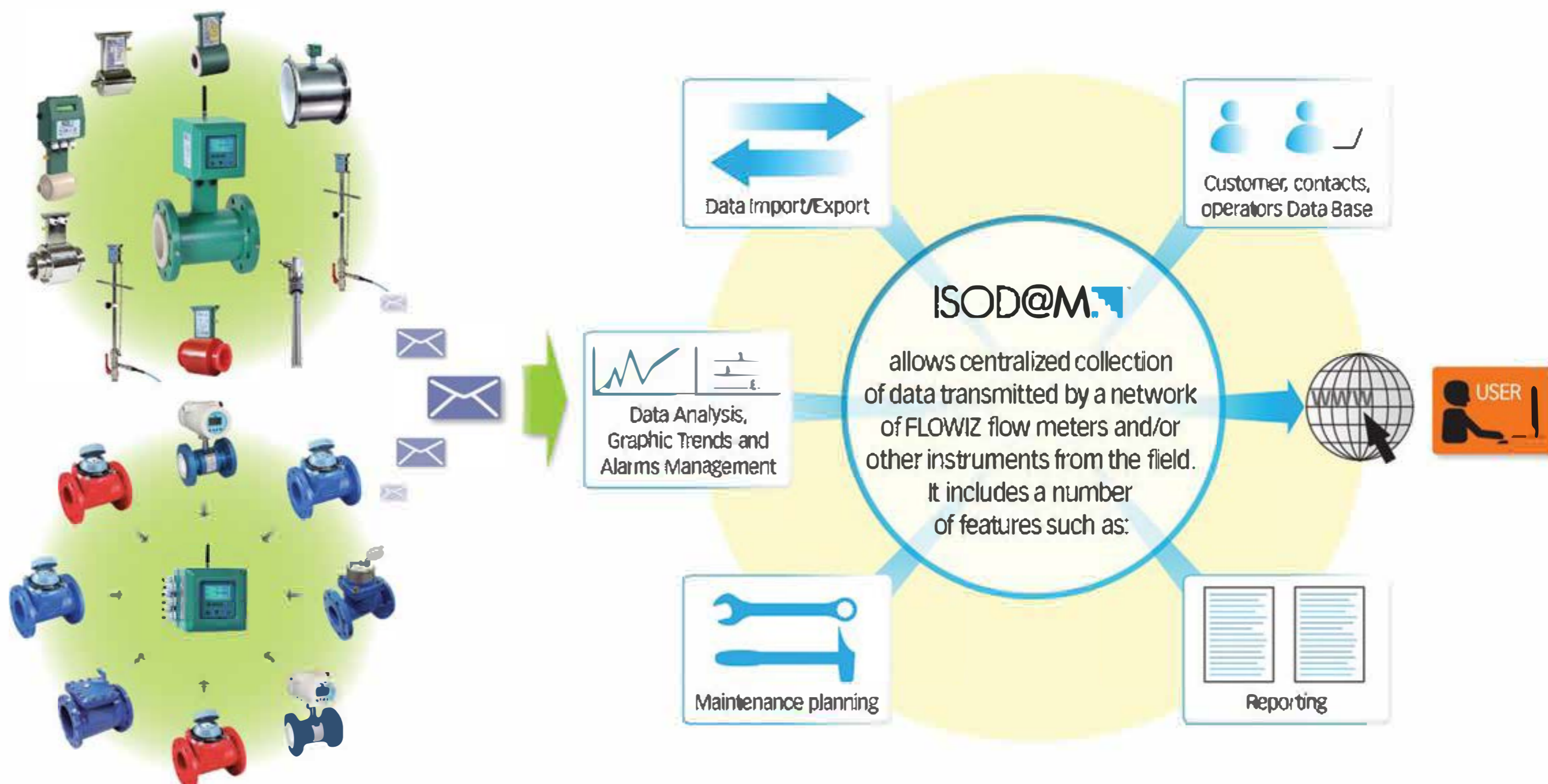
ISONRG

Managing
Energy



ISOD@M

WEB based
Data acquisition
and Management
software



Ultrasonic Flow Meter Clamp ON, Open Channel Transit Time and Doppler Type



PTFM 1.0



PDFM 5.1



Stringray



Mantaray



DFS 5.1



AVFM 5.0



DFM 5.1



TTFM 6.1

Ultrasonic Level Indicator, Transmitter and Switch, Flow Meter with Open channel



OCF 5.0



SLT 5.0



LIT 25



DLT 2.0

Example Case Study with DFM 5.0



Pump Station Level Controller
PSL 5.0



The Quiet Work-Horse!

ARCA
VALVES
*quality engineered
control valves*



ARCA - POSITIONER



**Positioner ARCAPRO
OPOS interface**

On/Off and PID Control Valve

Single-seat Control Valves ECOTROL

Forged Design Valves

Three-Way Valves

Double Seat Control Valves

Angle Type Valves

Hygenic Control Valve BIOVENT

Steam Conditioning Valves



 measure the facts

KROHNE
КРОХНЕ



Level Measurement
Flow Switch
Variable Area Flow Meter
Coloris Mass Flow Meter
Electromagnetic Flow Meter
Vortex Flow Meter

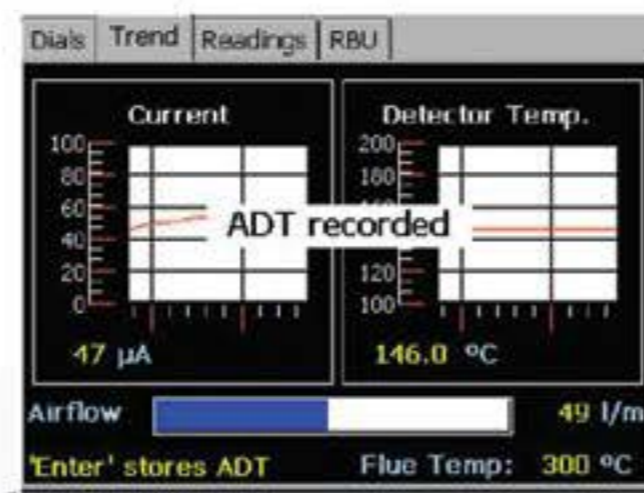
LAND

AMETEK[®]
PROCESS & ANALYTICAL INSTRUMENTS

Opacity 4500 MKIII Opacity Monitor with
US EPA Approval



LANCOM 4 Flue Gas Analyzer
with wake and sleep function



LANCOM 200 Acid Dewpoint Analyzer

In situ Oxygen Analyzer
For Combustion system

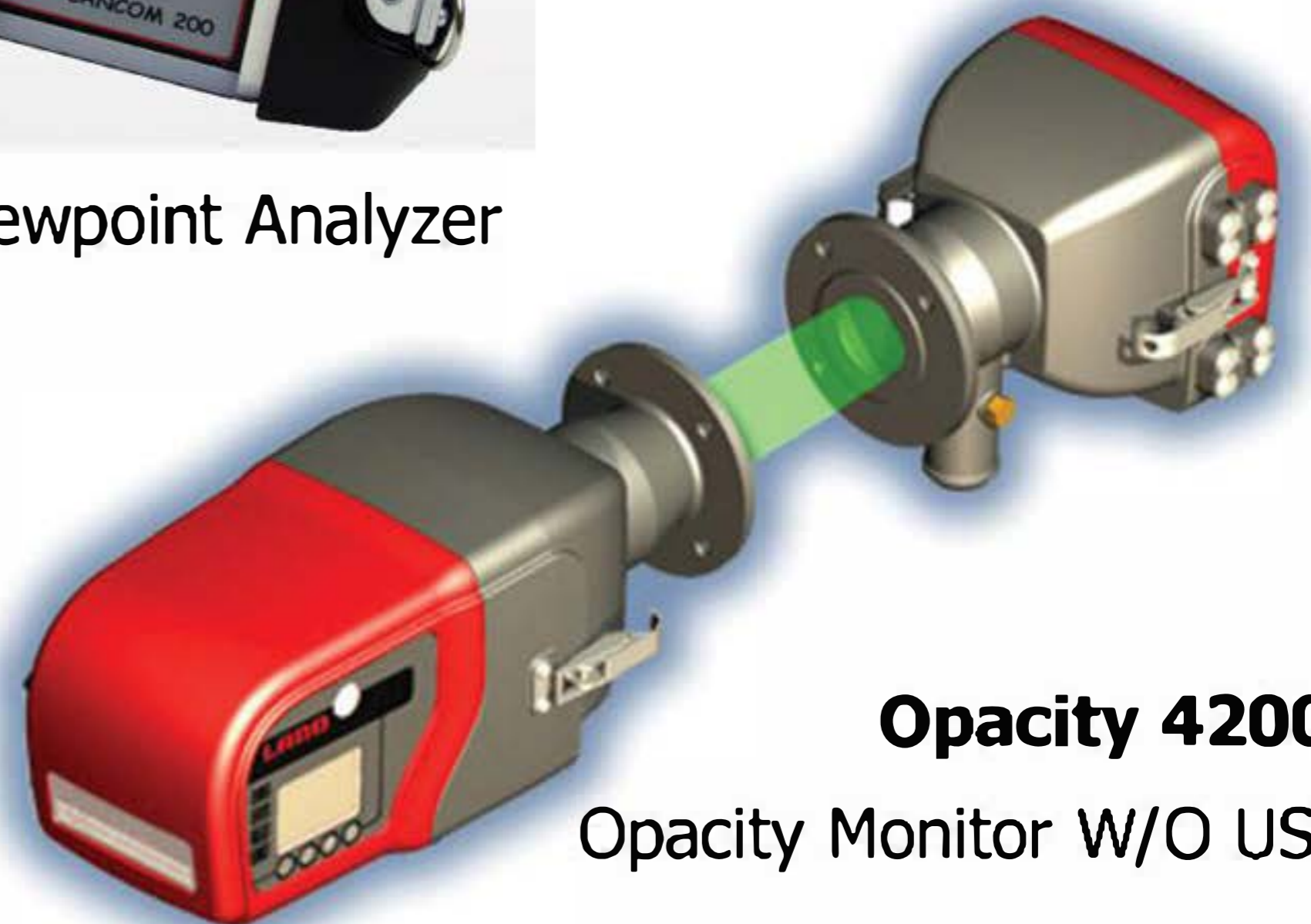


WDG 12xx



4650 PM

High-sensitivity, forward-scatter
laser measurement for particulate matter



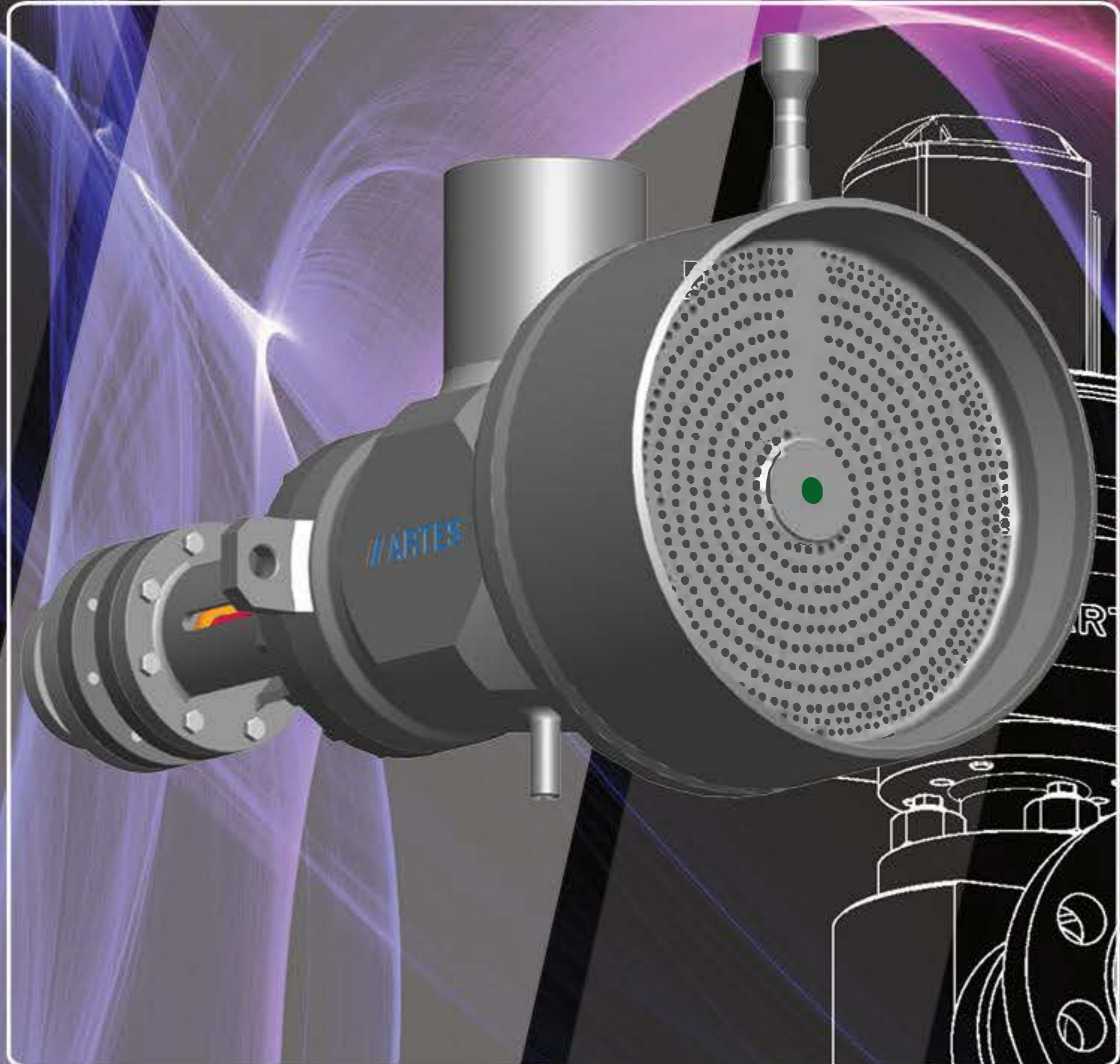
Opacity 4200+
Opacity Monitor W/O US EPA



QUALITY CUSTOMER SOLUTIONS



Motive Steam Cooler

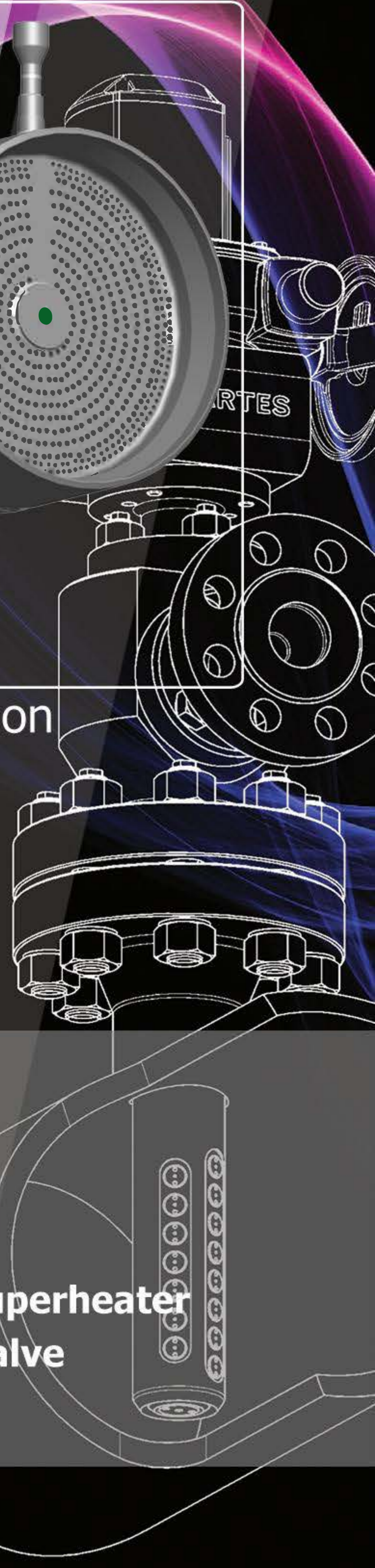


Steam Conversion



Desuperheater

- ARTES Control Valves**
- Three-Way Valves**
- Control Ball Valves**
- Desuperheater**
- Steam Atomising Desuperheater**
- Steam Conditioning Valve**
- Forge Design Valve**





"Look for the red label!"
Economic Flow Meter



Display with output



TM SERIES®
water meters



"Look for the blue label!"
PVC Water Meter



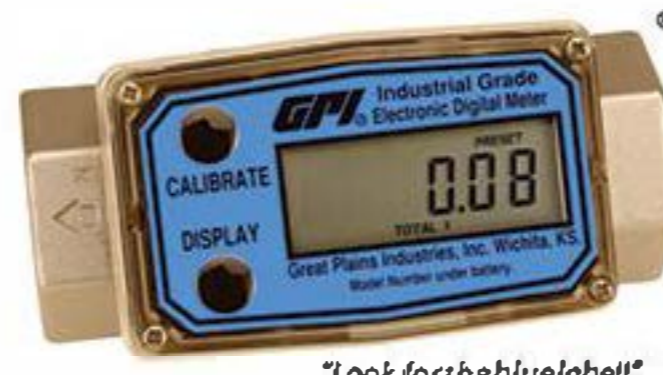
G Series Precision Flow Meter



"Look for the blue label!"
G2 Stainless Tri-Clamp



"Look for the blue label!"
G2 Brass



"Look for the blue label!"
G2 Stainless Tread



"Look for the blue label!"
G2 Stainless Flange



G2 Remote Pulse Meter



"Look for the blue label!"
G2 PVDF



Turbine Flow Meter Product From USA



Made from high quality material for your application.



RT40 Rate Totaliser
with Pulse Output



OM Flow meter for Oil Application



OM Flow meter for Oil Rig With RT12 Rate Totaliser
with analog output



Paddle Wheel Flow Meter (Insertion Type)



Positive displacement flow meter : piston type.



Turbine Flow Meter



Factory locate at Australia.



Explosion proof



Display installed with Turbine Flow Meter
Pulse, Analog in/output

Batch controller Panel mounting
Surface Mounting.

CONSTRUCTION AND DESIGN OF INSTRUMENTS FOR FLOW, LEVEL AND TEMPERATURE



Steam Flow Meter
 Orifice Flow Meter
 Pitot Tube Flow Meter
 Gas, Air Flow Meter
 Restriction Orifice Plate
 2, 3 Way manifold valves

Product from Denmark



Smart Pressure, Temperature and Differential Pressure Transmitters

HART COMMUNICATION PROTOCOL

AUTROL®

Smart Process Instrumentation
 The Smart Transmitters of Duon System are a microprocessor-based smart transmitter that features 2-wire digital communication with 4 to 20mA current loop and remote communication.



DP transmitter Temp transmiiter Pressure transmiiter



Differential Pressure transmiiter
 with sepearte diaphragm



GLB-1 GLB-2 GLB-3 GLB-4



CLA-1 GLD-1 GLC-1-GV GLC-1

Glass Tube



MLE-1-S MLE-1-S MLE-1-S (Large size) MLE-1-S (Large size)



MLE-2-S MLE-5-S MLA-2 MLA-5



MLA-5 MLB-2 MLB-2 MLB-5

Metal Tube



HPVC-1 VC-1 VC-1 VC-1

Flow Gauge



SCI-1 SCI-3 SCI-5 SCI-P1



SLD-F SLG-F-B SLG-F-B-M



SLG-N-B-E SLG-N-X SLG-F(대형)

Flow Indicator



PURGE SETS
Panel Mount

Enquiry need process data : Fluid, Pressure, Temperature, and Flow rate.



Key Valve Technologies LTD



Steam Conditioning Valve



3-Way Valve



Angle Valve



Globe Valve

- Recommended Applications**
- Turbine Bypass
 - Choke Valves
 - Minimum Pump Flow Recirculation
 - Anti Surge
 - Boiler Feedwater
 - Attenuator Spray Valves
 - Dump Valves



Blow Down Control Valve





Verfahrenstechnik

Bursting Discs, Burst Indication, Static Mixers, Heat Exchanger.



THE STRIKO : PRODUCT

Reverse Acting Rupture Discs



Graphite Disks



Graphite Bursting Holder



Holder



Forward Acting Rupture Discs



SAFETY PRODUCT DEVICE FROM GERMAN



Products

Solid/Liquid Level Measurement for Field Application Pneumatic Vibrator/Air Shocker Solution Temperature Controller/Counter/Digital Panel Meter



Magnetostrictive Level Transmitter



Mini Float Level Switch



Side Mounting Float Switch



Rotary Paddle Level Switch



RF-Capacitance/Admittance Level Switch



Paddle Type Level Switch



Radar Level Transmitter



Tuning Fork Level Switch



Vibration Probe Level Switch



Magnetic Float Level Switch Transmitter



Optical Level Switch



Pressure Switch



BINDER Gas flow measurement



Gas Flow Meter

Bio Gas Analyzer



Quality Instrument



Vortex



Variable Area
Flow Meter



Electromagnetic Flow Meter



Handheld

Ultrasonic Flow



Fixed



EMF



Coriolis Flow





- Daily Self Test
- Built in Gas Generator
- SIL2
- Explosion Proof
- Protection IP66
- Support Gas
Phosgene
Chlorine
Hydrogen Cyanide
Hydrogen Sulphide

statox 560



control module

- 4-20 mA Output
- 2 Alarm 1 failure
- SIL2



phosgene badge



statox 501IR

- Stainless Steel Housing
- IR sensor for combustible
- Explosion Proof
- Protection IP67



statox 501IR

- Stainless Steel Sensor
- Intrinsically Safe
- Protection IP65
- SIL2
- Support Gas
AsH3, Cl2, ClO2, CO,
COCl2, H2, H2S, HCl,
HCN, HF, N2H4, NH3,
NO2, O2, O3, PH3 and SO2



Monitox Plus

Gas detector for Fixed System or Personal Safety



Gases Monitored



Ex 5175



**Recon 4
4 Gas Detector**



**PGD3 IR
Gas detector with Pump**



**Sapphire
6 Gas Detector**



**CO Guard
Gas detector with
Flow gauge**



**AM5175
Gas Detector**



**GSM 60
Controller for Gas Detector**

- %LLEL
- AsH3
- Br2
- Cl2
- ETO
- HBr
- HCl
- HF
- O3
- C3H6O
- NH3
- MeOH
- MeCl
- Toluene
- MEK
- Styrene
- Xylene
- O2
- H2S
- CO



Gas Meter

The only plant in India
to manufacture
Domestic Gas Meter

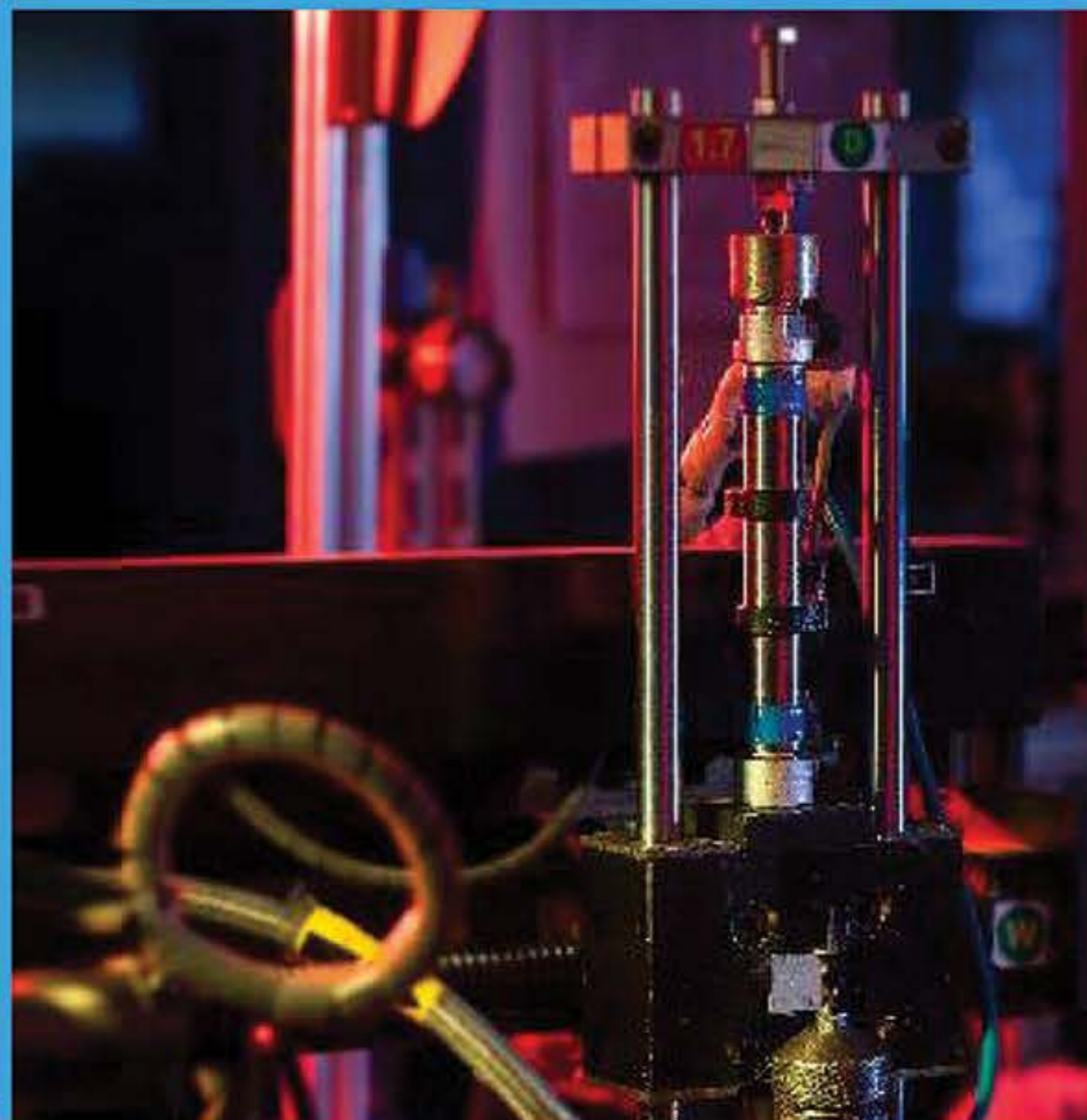


Fire Test Approval:
Approved for fire test as per BS EN 1359
requirements from DVGW, Germany

KEMENTERIAN
PERDAGANGAN
REPUBLIK INDONESIA

MINISTRY OF TRADE

**LEGAL
METROLOGY
OF INDIA**



Online Water Analyzer Online Gas Analyzer

Liquid

- Ammonia
- Nitrate
- Color
- PAH
- Nitrite
- Chlorine
- pH
- DO
- TDS, TSS
- Conductivity



Gas

- NH3
- NO
- NO2
- SO2
- H2S
- CS2
- C6H6
- C7H8
- C8H10
- C2H2
- NCI3



UV300



CEM500



UV400



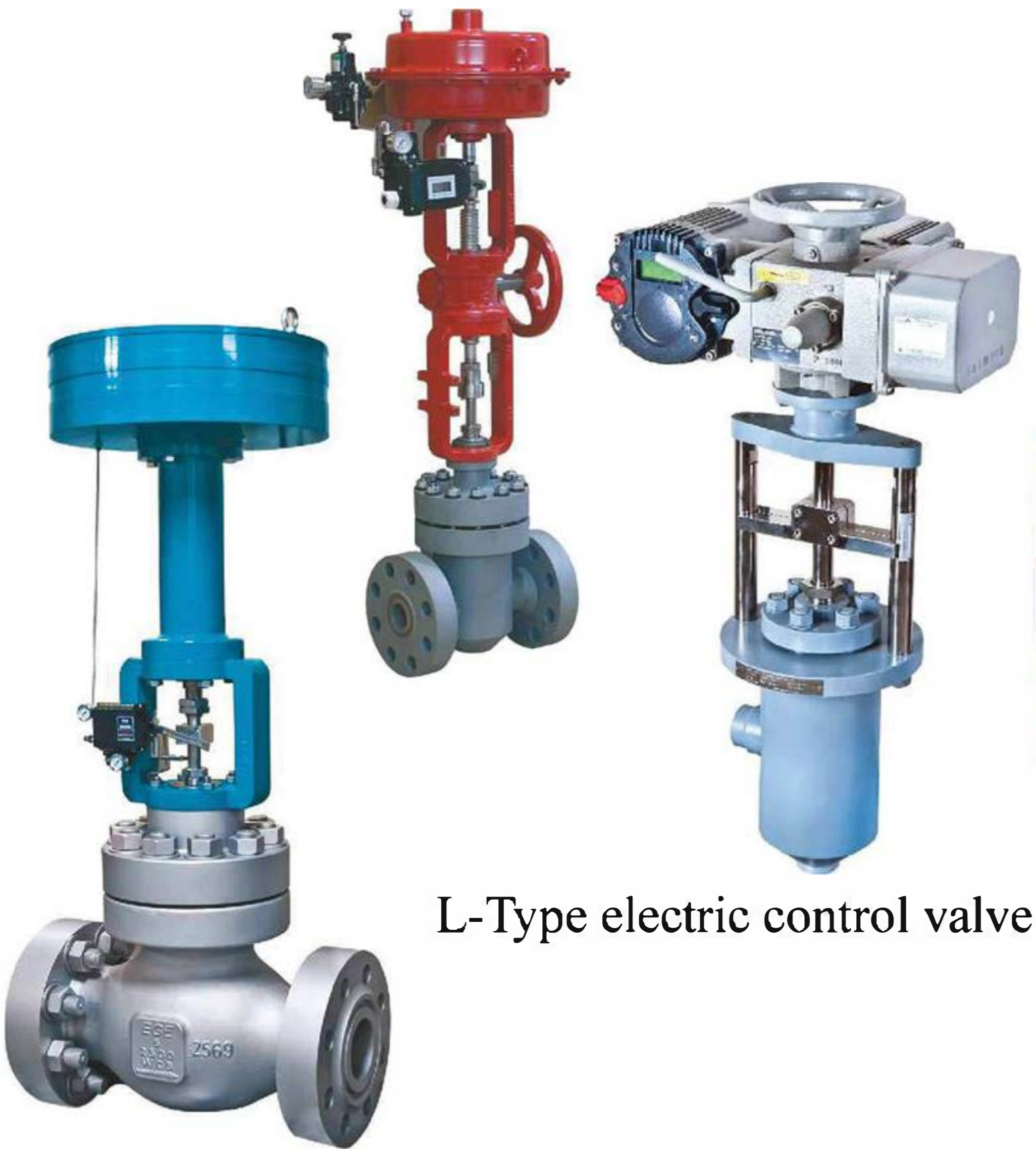
Management
System
ISO 9001:2008



www.tuv.com
ID 9105083475

TETHYS
INSTRUMENTS

ecoflo
control valve



L-Type electric control valve

pneumatic control valve



pneumatic globe valve
with side hand wheel

3-way electric globe valve



cryogenic globe valve



electric globe valve