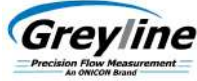


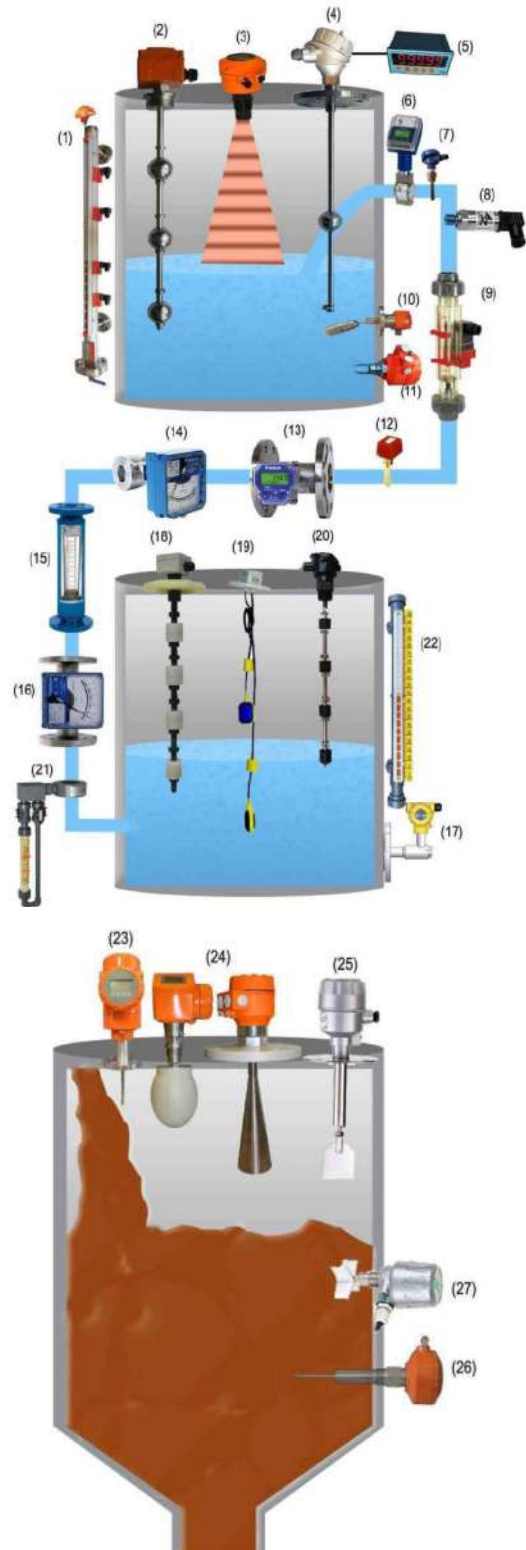
Product Catalogue

Pressure Flow Temperature Level Sensor





1. Magnetic Level Gauge, MLG
2. Vertical Float Level Switch, VSS
3. Compact Ultrasonic Level Transmitter, Microflex-C
4. Float Level Sensor & Transmitter, LTS
5. Digital Panel Meter, WP6
6. Magnetic Flowmeter, FLOMID FX
7. Paddle Type Flow Switch, FS-1
8. Pressure Transmitter, ADZ
9. Plastic Tube Rotameter, PS-31
10. Horizontal Float Level Switch, HSS
11. Vibration Level Switch
12. Paddle Flow Switch-Brass, SF-3
13. Turbine Flowmeter, TM-44
14. Target Type Flowmeter, DP
15. Glass Tube Rotameter, 6001/6002
16. Metal Tube Rotameter, SC-250
17. Pressure Type Level Transmitter, Aplisens APR-2000
18. Vertical Float Level Switch, VSPP
19. Cable Float Level Switch, CFPP-60
20. Economical Float Level Switch, VSE
21. Orifice Type Flowmeter, PRC
22. Transparant PVC Level Gauge, PTG
23. TDR Radar for Solid, LTDR
24. Ultrasonic 'Through Air', Microflex D/LU Series
25. Rotary Paddle Level Switch, PLS
26. Vibration Rod Level Switch, DP600
27. Rotary Paddle Level Switch, SPS



Pressure Collection



Pressure Switch

- Compact and Lightweight
- Temp : -20-120 deg C
- Output : NO-/NC
- Range : -50cm Hg to 35 Bar



Compact Pressure Transmitter

- Any Range 0-25 m or up to 0-1000 bar
- 4-20mA output 2 wire
- Conn Screw : 1/2", 1/4"
- Accuracy 0,2%



Sanitary Pressure Gauge

- 1 1/2" to 4" Sanitary connections
- Tri clamp®, Cherry Burrell®, other
- Sanitary documentation standard
- B40.100 & EN 837-1



Pressure Gauge

- Dial Size : 63, 100, and 150 mm
- Mounting : Wall or Panel Mount
- Range : -0...2500 bar
- Connection : 1/2" & 1/4" BSP, NPT
- Material Stainless Steel, Brass, Plastic
- Accuracy 1%
- Optional : Electric Contact Liquid Filled Transmitter Output



Capillary Pressure Gauge

- Design Standard DIN 16282 and Industrial Standard
- Construction : SS316 Bare, SS304 armored protected
- Connection Size : F x M 1/2" NPT, 1/4" NPT or Gas
- Maximum working pressure 600 bar
- Temperature -40 deg C... +600 deg C, depend on application



Differential Pressure Transmitter

- Piezo-Resistive, Vacuum-Proof Type
- Range : -1...1 bar to 0...4000 bar
- Conn : Screw 1/4", 1/2" BSP
- Material Stainless Steel
- Temp Range: -40...100 deg C
- Accuracy 0,5% & 0,075%
- Enclosure DIN Plug, IP65
- Output : 4-20mA, 2 Wire 4-20mA, HART
- Power 12...32 VDC
- Application : Pneumatic, Hydraulic, Process Control, Water Technology, etc



Smart PT APC 2000ALW

- 4-20mA, 0-20mA or 0-5mA output signal + HART
- Display with backlight
- Programmable range
- Accuracy : 0,075% (0,05 on req)
- Conn Screw L 1/2", Flange Flush Diaphragm
- Range : 0-1000 bar
- Warranty up to 5 year



APRE 2200ALW

- 4...20 mA output signal + HART 5 / HART 7 protocol
- Display with backlight
- Safety version SIL2/SIL3
- Static pressure limit up to 700bar
- Accuracy 0,075% (0,05%, 0,04% on request)
- Marine certificate – DNV, BV
- Gold plated diaphragms
- Wetted parts material 316L/Hastelloy C276



APM-2

- Measurement of differential pressure based on two absolute pressure transmitters
- Modular construction with possibility of replacing of each module of the measuring system
- Output signal 4 ÷ 20 mA + HART
- Accuracy 0,1%

Temperature Collection



Local and Remote Thermometer

- Dial Size : 100, 150, and 200mm
- Mounting : Wall or Panel Mount
- Range : -50....600 deg C
- Connection : 1/2" & 3/4" BSP, NPT
- Material Stainless Steel
- Accuracy 1% of Span
- Capillary Length : On Request
- Optional : Electric Contact
Liquid Filled
Transmitter Output
- Application : Water, Oil, Chemical Liquids, etc



Thermocouple

- Type : J, K, T, E, N, R, S
- Element Size : 0.25, 0.5, 1 (Other on Req)
- Material : SS304, SS321, SS316, Inconel, Hasteloy, Monel, etc
- Conn : On Req



MI Thermocouples

- Type : J, K, T, E, N, R, S
- Element Size : 0.25, 0.5, 1, 1.5, 3, 4.5, 6, 8 mm (Other on Req)
- Material : SS321, SS310, SS316, Inconel 600, HRS 446, Nimonic, Pyrosil, Platinum, etc
- Config :
• Simplex / Duplex / Multipoint



Thermowell

- Material : SS304, SS316, SS316L, SS321, SS310, HRS446, INCONEL 600/800/601, Hastalloy, Monel, Titanium, etc
- Type : Drilled Barstock, Fabricated
- Construction : Tapered, Straight, Helical
- Process Connection : Screwed, Flanged



Resistance Temperature Detector

- Type : Pt 100, 200, 500, etc
- Wiring : 2, 3, 4 Wire
- Accuracy : Class A, B
- Material : SS304, SS321, SS316, Inconel, Hasteloy, Monel, etc
- Conn : On Req



Head Mounted & Din Rail Type Transmitter

- Input Type : RTD, TC, Ohm, mV
- Output Signal : Analog 4~20mA, 2 wire/4wire
- Accuracy : Pt100 $\pm 0.2\%$ full scale, Thermocouple $\pm 0.3\%$ max. of full scale
- Communication : HART Protocol / USB
- Power Supply : 12 to 25 V DC



Protection Tubes

- Type : KER 710 (C-799) Open Ended, Close Ended
- OD X ID : 6x4, 8x5, 10x6, 12x8, 15x10, 20x15, 24x18 mm etc.
- High wall thickness tubes available
- Length : 350, 530, 600, 650, 740, 900, 1030, 1200, 1430 mm, etc
- Material : Recrystallised Alumina 99.7%
- Insulating Tubes : 2/4/6 Holes etc
- OD : 1.5, 2.8, 3.5, 5.5, 8.5 etc



Thermocouple Cables

- Construction : Single or Multi Pair
- Voltage Grade : Up to 1.1 KV
- Type of Conductor : K, T, J, E, N, R, S, B, D, C
- Screening : Aluminum Foil Type/Mesh Braided Type
- Armouring : G.I. Armouring / SS Braiding (for high temperature insulations)
- Standards : ANSI MC 96.1, IEC 584.3, IS 8784



EMKO Temperature Display

- Type : Pt 100, 200, 500, etc
- Wiring : 2, 3, 4 Wire
- Accuracy : Class A, B
- Material : SS304, SS321, SS316, Inconel, Hasteloy, Monel, etc
- Conn : On Req

Flow Collection



Model 6000, PS & PSM Plastic Tube Flowmeter

- Vertical Mounting
- Flange and Screw Connection
- Temperature Max 80 deg C
- Size 1/2" up to 3"
- Material Float : PVC or PP Fitting
SS316, PVC or PVDF
Trogamid or Polysulfone
- Pressure Max 20 Bar
- Optional Magnetic Switch
- Application : Water, Air, Gas, Chemical, etc



Model PDFM 5.1 Portable Doppler Flowmeter

- Clamp-on Ultrasonic Transducer
- Handheld Meter with Large Backlit LCD Display and Totalizer
- Internal Battery and/or AC Powered
- Built-in 5 Key Calibrator
- 300.000 Point Data Logger
- USB Output and Windows Software
- 4-20mA Output
- Rugged, Watertight Carry Case



Model M-21 & SC250, Model DP Metal Tube Flowmeter

- Vertical Mounting
- Flange and Screw Connection
- Material SS316L
- Temperature Max : M-21 : 200 deg C
SC250 : 400 deg C
- Pressure 16...400 bar
- Optional : Magnetic Switch
Transmitter Output
Totalizer (SC250 Only)
- Application : Water, Steam, CPO, Fatty Acid, etc



Model TM Turbin Flowmeter

- Vertical or Horizontal Mounting
- Flange and Screw Connection
- Size DN15 to DN150
- Material : SS316, SS420
- Accuracy 0,5%
- Temperature Max 130 deg C
- Pressure 16...400 Bar
- Interface with : MC-01, MT02
CP420L & CH420L
CIP
- Application : Water, Hot Water, Chemical, Oil, etc



Model FS-1, VH35 & SF Paddle Flowmeter

- Mounting Vertical or Horizontal
- Screw Connection 1" & 3/4" BSP
- Size DN50 to DN500
- Material SS304, SS316, PTFE, Brass
- Output : SPST, SPDT & Micro Switch
- Temperature Max 130 deg C
80 deg C (SF)
- Pressure 10...25 Bar
- Contact Rating : 1A/230 VAC
5A/120/240 VAC
- Optional : Explosion Proof Version
- Application : Water, Chemical, etc



Model OCF-6.1 Open Channel Flowmeter

- Top Mounted
- Screw 3/4" or Flange Connection
- Material : PVC & Teflon
- Temperature -40 to 65 deg C
- Range 3,66 and 10 meter
- Output 4-20mA & RS 232
3X SPDT Relays
- C/W : Data Logger, 50.000 point
- Power : 110, 220 VAC & 12, 24 VDC
- Application : Waste Water at Open Channel



Coriolis Mass Flow Meter

- Accuracy: $\pm 0.1 \sim 0.5\%$
- Repeatability: $\pm 0.1 \sim 0.25\%$
- Density measurement range: 0.5~2g/cm³, Accuracy: ± 0.002 g/cm³. Operating temperature: -50~+200 (standard), -200~+300
- Ambient temperature: -20~+60 or -40~+60
- The measuring tube material: SS316L; The housing material SS304 Nominal pressure: 4.0MPa (standard)
- Ex-proof: Exd (ia) C T6Gb



Model Flomid & Flomat Electromagnetic Flowmeter

- Vertical or Horizontal Mounting
- Wafer, Flange and Clamp Conn
- Size DN3 to DN500
- Material : SS316L (Body)
PP, PTFE, PVDF Liner
Hastelloy Electrode
- Pressure 10...16 bar
- Output : 4-20mA
Logic Output (Batching)
- Application : Water, Waste Liquid
Chemical, etc



Vortex Flow Meter

- High Accuracy, Low Pressure Loss, Wide Turn-Down Ratio
- Wide range of medium, can measure Liquid, Steam and Gas
- No moving parts, no wear, high reliability
- The body is made of stainless steel, which is beautiful and corrosion-resistant
- Convenient maintenance and repair, easy replaceability of parts

Level Collection



Model VSS, Vertical Float Level Switch

- Top Mounted
- Single and Multi Point Control
- Reliable and easy installation
- Flange and Screw Connection
- Material : SS316, PP, PVC, PTFE
- Temperature max 180 deg C
- Pressure 16 Bar
- Output : SPDT and SPST
- Application : Demin Water, Hot Water, Oil, Chemical Liquids, Waste water, Marine application, etc



Model LTS, Float Level Indicator & Transmitter

- Top Mounted
- Flange and Screw Connection
- Material : SS304, SS316, PP, PVC, PTFE
- Temperature max 125 deg C
- Pressure 16 Bar
- Output : Resistance & 4-20mA
- Resolution : 6, 12, 20mm
- C/W : Analog or Digital Meter
- Application : Demin Water, Hot Water, Oil, Chemical Liquid, Waste Water, Marine Application, etc



Model DP & LD 61, Vibration Level Switch

- Top and Side Mounted
- Screw 1" & 1 1/2" BSP Connection
- Material SS316
- Output : Transistor SPDT Relay, 8A/250 VAC
- Sensor : Fork (Up to 3m) Rod (Up to 20m)
- Enclosure IP-67
- Temperature max 160 deg C
- Pressure 40 Bar
- Application : Liquids, Powder Solid, Plastic, etc



Model HSS, Horizontal Float Level Switch

- Side Mounted
- Flange and Screw Connection
- Material : SS316, PP, PVC, PTFE
- Temperature max 300 deg C
- Pressure 16 bar
- SPDT Contact, Reed Switch
- Enclosure : Aluminium, Explosion Proof
- Application : Hot Water, CPO, Edible Oil, Chemical for boiler, etc



Model MLG, Magnetic Level Gauge

- Mounting : Side-Side, Side-Top, Top-Side, Top-Top, etc
- Flange and Screw Connection
- Material : SS304, SS316, PP, CPVC
- Temperature max 400 deg C
- Pressure 16 Bar (Higher Pressure on Request)
- Optional : Transmitter Output Magnetic Switch
- Application : Hot Water, Boiler Oil, Chemical, Diesel Fuel, etc



Model SPS, Silo Level Switch

- Top and Side Mounted
- Flange and Screw Connection
- Material : SS Shaft SS & Plastic Paddle
- Motor Speed 1 rpm
- Power 220 VAC/50 Hz
- Adjustable Torsion
- Temperature max 80 deg C
- Pressure 6 Bar
- Output SPDT, 3A & 6A/220 VAC
- Application : Powder, Plastic Cement, etc



Model MAC3 & SOBA Cable Float Level Switch

- Cable : 5 Meter & 10 Meter
- Material Float : PP Cable : Hypalon
- Temperature max 80 deg C
- Pressure Resistance 25 Meter
- Output SPDT, Micro Switch
- Rating 10A, 250 VAC
- Specific Weight : 0,581
- Application : Water, Sewage Water, Waste Water Chemical, etc.



Model Microflex - D Compact Ultrasonic Transmitter

- Top Mounting
- Screw 2" 1 1/2" BSP, NPT, Flange, Tri-clamp
- Material : PVDF Transducer
- Temperature -20 + 70 deg C
- Pressure Max 3 Bar
- Measuring Range : 0,3 to 8, 10, 23 Meter
- Accuracy +/- 3 mm
- Output 4-20mA, Optional HART
- Power 12....30 VDC (Loop Power)
- C/W : LCD Display Screen
- Application : All Liquids



Model HYRD, Radar Level Transmitter

- Range : 0-150m
- Conn Screw 2" 1 1/2", Flange
- Material : PTFE
- Accuracy : 2mm
- Frequency : 80 GHz, 120 GHz
- Output : 2 wire, 4-20mA
- Power : 12-30 VDC
- Application : Liquid & Solid

Sensor Collection



High Performance Photoelectric Sensor

- High switching accuracy
- Extremely resistant to dirt
- High functional reserve



Laser Distance Sensor

- Large detection range
- Red light laser
- Teach in
- 2 Analog and 3 Digital Output



Fork and Angled Light Barriers

- All Purpose Mounting
- High Resolution
- High Operating Frequency
- Potentiometer or teach in
- Static or dynamic working
- Detection transparent object



Ring and Tube Sensor

- Static and dynamic working
- High Resolution



Vision Sensor

- Presence
- Measurement
- Position



Color Sensor

- 350 Colours can be saved
- 4 or 12 binary switch output
- L*a*b principal
- Adjust Tolerance



Proximity Switches

- Inductive and Capacitive
- Cylindrical and cuboid design
- Metal and Stainless steel housing
- The DCA Series now include DC 2 Wires product range with "non polarised" Connectivity



Fiber Optic

- Large Range
- Potentiometer and teach in
- High Frequency



Ultrasonic / Label Sensor

- High Resolution
- Analog/ Digital output
- Web edge control also transparent material
- Optical, Capacitive, and Ultrasonic label sensor
- Teach in and potentiometer
- PNP, NPN, and Pushpull
- Detection of most different label

Product **Catalogue**

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