

## Flow Instruments

General Instruments Europe offers Flow elements, manufactured in accordance with international standard ISO 5167 & AGA 3 and designed with international software Flowel and RW Miller.

- Orifice & Restriction Orifice Plate and flange Assemblies
- Multistage Restriction Orifice Assemblies
- Integral Meter Run Assemblies
- Averaging Pitot Tubes
- Flow Straightener and Flow Conditioner
- Venturi Tubes
- Flow Nozzle
- Condensate Pot
- V-Cone



## Our Manufacturing Plant



Pressure, Temperature, Level Gauges & Switches, Temperature Elements & Thermowell, Valves & Fittings



Flow Instruments



General Instruments - Europe

*General*<sup>®</sup> INSTRUMENTS  
EUROPE

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**General Instruments BV,**  
Buitenvaart 1411, 7905SJ, Hoozevee, the Netherlands  
Tel.No :- +31-528-217015  
E-mail: [sales@general-gauges.eu](mailto:sales@general-gauges.eu)  
Website: [www.general-gauges.eu](http://www.general-gauges.eu)



## Pressure Gauges & Differential Pressure Gauges

Pressure gauges and Differential Pressure Gauges are manufactured in accordance with latest international standard EN-837.

High quality & precision gauges are manufactured ranging from (vacuum) 1 kg/cm<sup>2</sup> to high pressure application of 3000 kg/cm<sup>2</sup>g meeting requirements of various process industries for critical as well as cryogenic applications in onshore and offshore industries.

International certifications such as CE, ATEX and GOST R are available.



### Pressure Gauges

- Bourdon Sensing Pressure Gauges
- Pressure Gauges with External Zero Adjustment
- Safety Pattern / Solid Front Pressure Gauges
- Capsule Sensing Pressure Gauges
- Diaphragm Sensing Pressure Gauges
- Receiver Pressure Gauges
- Absolute Pressure Gauges
- Master Pressure Gauges
- Hygiene / Sanitary Pressure Gauges
- Mud Gauges
- Diaphragm Seal Pressure Gauges
  - Sandwich Type Diaphragm Seal
  - Flush Diaphragm Type Diaphragm Seal
  - Pan Cake Type Diaphragm Seal
  - Extended Type Diaphragm Seal
  - In line Flow Through Type Diaphragm Seal
  - In line Flow Through Jacketed Type Diaphragm Seal
- Accessories:
  - Needle / Manifold Valves
  - Gauge Cock
  - Block & Bleed Valve (Single / Double)
  - Gauge Saver
  - Gauge Adaptor
  - Snubber
  - Syphon
  - Flushing Ring
  - Cooling Tower
  - Pointer Puller Fixture Kit

### Differential Pressure Gauges

- Bellow Type Differential Pressure Gauges
- Diaphragm Type Differential Pressure Gauges
- Capsule Type Differential Pressure Gauges
- Magnehelic Type Differential Pressure Gauges
- DP Gauges with Orifice Assembly (Flow Indicator)



## Pressure Switches & Differential Pressure Switches

Indicating and Blind Pressure and Differential Pressure Switches are manufactured to suit various industrial applications for accurate control of various process applications.

Standard and customized models covering pressure range from (vacuum) 1 kg/cm<sup>2</sup>(g) to high pressure range 400 kg/cm<sup>2</sup> (g) are available with UL & CSA certified switching elements for AC & DC services.

Special features such as Weatherproof / Flameproof Enclosures, Hermitically Sealed Micro Switches, Gold Plated Contacts, Diaphragm Seals for corrosive applications and CE & ATEX certification available.



## Temperature Gauges & Thermowell

Temperature Gauges are manufactured in accordance with latest international standard ASME B 40.200, EN 13190 and Thermowells are designed conforming to ASTM PTC 19.3. International certifications such as CE, ATEX and GOST R available.

Temperature gauges are designed to meet the various process applications ranging from temperature of (-) 200 to (+) 800 Deg C with fastest response and special features such as Hermitically Sealed Case, High Accuracy & Repeatability, Low Hysteresis, Case Compensation, Liquid Filled Case, Capillary upto 30 mtrs without any loss of accuracy for various stem OD and length.



### Temperature Gauges

- Bimetal Dial Thermometer
- Gas Filled Dial Thermometer
- Liquid Filled Dial Thermometer

### Thermowell

- Bar Stock Threaded
- Bar Stock Flanged
- Bar Stock Weld-In
- Fabricated Threaded
- Fabricated Flanged
- Fabricated Weld-In
- Vanstone Type
- Sleeved / Lined Type
- Solid Sintered Tungs Ten Carbide TW
- Silicon Carbide Protecting Tube



### Temperature Switches

**General Instruments Europe** has been designing and manufacturing reliable, high quality Temperature Switches in accordance with international Std. BS-6134, for accurate control of the process equipments to suit most of the industrial applications.

With inert Gas Nitrogen, our switches are most environment friendly and safe, which makes them ideal choice for almost all type of process industries/ applications.

Temperature Switches are designed with weatherproof & flameproof enclosures & various combinations of specifications such as length, capillary, connection, switching, mounting arrangement as well as thermowell protection.



## Mineral Insulated RTD & Thermocouple Assemblies

**General Instruments Europe** offers RTD and Thermocouples with various combinations of length and outer sheath with rapid response to withstand pressure, erosion and vibration environment. RTD & Thermocouples are manufactured in accordance with national and international standards such as ANSI MC96.1, IEC 584, IEC 751, DIN 43670 class A & B.

- RTD / Thermocouples Assemblies
- Skin type RTD / Thermocouples
- Bearing temperature measurement RTD
- RTD / Thermocouples Assemblies suitable for Temp. transmitter
- RTD / Thermocouples Assemblies with Local indication
- Multipoint RTD / Thermocouples Assemblies
- MI Thickwall Thermocouples
- Precision industrial RTD



### Level Gauges



**General Instruments Europe** provides Level instruments to measure & control level in tank / vessel and designed for trouble free operations & higher product life cycle.

- Reflex Level Gauges
- Transparent Level Gauges
- Tubular Level Gauges
- Float and Board Level Gauges
- Float and Tape Level Gauges
- Magnetic Level Gauges with and W/o Switch
- Magnetostrictive Level Gauges (MLG With Level Transmitter)
- Displacer Type Level Transmitter
- Sight Flow Indicator
- Cages / Chambers for Level Transmitter

### Level Switches

**General Instruments Europe** manufactures Float type Level switches with high accuracy, repeatability and reliability & especially engineered to meet process requirement with single or multiple floats in single assembly and weatherproof / flameproof / Ex-proof enclosures, 1 SPDT / 2 SPDT micro switches / reed switches.

- Direct Insert Float Operated Level Switches
- External Cage Chamber Level Switches
- Multipoint Level Switches - Top Mounted
- Displacer Type Level Switches
- Flow Switches

