



CVG TECHNOCRAFTS INDIA

An ISO Certified Company



PRECISE MEASUREMENT
PRESTIGIOUS BUSINESS

www.cvgtechnocraft.in

COMPANY PROFILE

100%

Commitment to quality
Production & technical
advancement

CVG TECHNOCRAFTS INDIA is an **ISO 9001 : 2015 Certified Company** & one of the leading manufacturers, exporters of **Flow, Level, Pressure and Temperature Measurement & Control Instruments** (eg. All types of Rotameter, Flowmeter, Manometer, Level Indicator, Level Switch, Pressure Gauge, Temp. Gauge etc).

Under the aegin of you Mentor **Mr. G. P. Tripathi**, the company has acquired notable position amoagst the topnotch measuring instruments manufacturers and exporters from India. His sharp business acumen and industrial experience 20 years has enabled us expand our business in the worldwide market.

Sound manufacturing unit along with advanced testing facilities have made our range most sought after across **UAE, Africa, Bangkok, Egypt, Greece and SriLanka**.

The entire range of measuring instruments is quality tested on well-defined parameter of accuracy and performance before supplying it to our valued clients. Further, to attain 100% client satisfacfaction we also offer **Customized Solutions** to our clients at competitive prices. CVG provides the broadest array of flow products in the market.

Quality Assurance

Since we are ISO 9001:2015 Certified Company, quality consistency has become the main objective of our organization. Our team of talented professionals makes hard efforts to manufacture a best quality array of products to our clients. To cater the assorted demands of our clients, these offered products are highly appreciated across the market for their optimum finishing standards. Apart from this, we are offering these products at budget friendly prices for our customers.



FEW OF OUR ESTEEMED CLIENTS



ADITYA BIRLA



Hindustan Unilever Limited



BHUSHAN



INDUSTRY WE SERVE



Chemical Process



Power Generation



Oil & Gas



Refineries



Fertilizers



Cement

TABLE OF CONTENTS

ROTAMETER

1

ACRYLIC BODY ROTAMETER
ACRYLIC BODY LOW FLOW ROTAMETER
GLASS TUBE ROTAMETER
LOFLO ROTAMETER
DIGITAL METAL TUBE ROTAMETER
METAL TUBE ROTAMETER
BY-PASS ROTAMETER
CHLORINE ROTAMETER

FLOW METER

3

WATER METER
TURBINE FLOW METERS
ELECTROMAGNETIC FLOW METER

FLOW INDICATOR

4

SIGHT FLOW INDICATOR

PRESSURE GAUGE

5

PRESSURE MEASURING INSTRUMENTS
MCLEOD GAUGE
DIGITAL MANOMETER

MONOMETERS

6

ACRYLIC BODY MANOMETERS
METAL BODY U TUBE MANOMETERS
ABSOLUTE PRESSURE MANOMETER

LEVEL INDICATOR

7

TUBULAR LEVEL INDICATOR
FLOT & BOARD TYPE LEVEL INDICATOR
SIDE MOUNTED MAGNETIC LEVEL INDICATOR
TOP MOUNTED MAGNETIC LEVEL INDICATOR
TRANSPARENT LEVEL INDICATOR
REFLEX LEVEL INDICATOR

LEVEL SWITCH

9

TOP MOUNTED MAGNETIC LEVEL SWITCH
SIDE MOUNTED MAGNETIC LEVEL SWITCH
CAPACITANCE TYPE LEVEL SWITCH
VIBRATING FORK TYPE
CONDUCTIVITY TYPE LEVEL SWITCH
CABLE FLOAT LEVEL SWITCH
CAPACITANCE TYPE HI LOW CONTROL SWITCH

TEMPERATURE GAUGE

11

MERCURY IN STEEL TEMPERATURE GAUGES
BI-METAL TEMPERATURE GAUGES
CONVENTIONAL THERMO COUPLE & RTD ASSEMBLIES

ACRYLIC BODY ROTAMETER



Technical Specifications

Meter Body	:	Crystal Clear Acrylic
Float	:	SS-316/PTFE/PVC etc
Scale	:	Engraved on Meter Body
Connection	:	Top & Bottom Flanged or Threaded
Rated Temp.	:	60° C
Accuracy	:	± 2% on Full Scale
Repeatability	:	0.5%
Range ability	:	10:1

ACRYLIC BODY LOW FLOW ROTAMETER



Technical Specifications

Meter Body	:	Crystal Clear Acrylic
Float	:	SS-316/PTFE/PVC etc
Scale	:	Engraved on Meter
Connection	:	Body Rear BSP/NPT 'M' or 'F'
Rated Temp.	:	60° C
Accuracy	:	± 3% on Full Scale
Repeatability	:	0.5%
Range ability	:	10:1

GLASS TUBE ROTAMETER



Technical Specifications

Meter Body	:	M.S. Powder Coated / SS-304
Tube	:	Borosilicate Glass
Float	:	SS-316/PTFE/PVC/Monel etc
Scale	:	Aluminium / SS-304
Connection	:	Top & Bottom Flanged or Threaded / Rear
Rated Temp.	:	200° C
Accuracy	:	± 2% on Full Scale
Repeatability	:	0.5%
Range ability	:	10:1
Accessories	:	Hi - Low Flow Switch

LOFLO ROTAMETER



Technical Specifications

Fluid	:	Liquid Gases
Density / Sp. Gravity	:	Up to 1.85
Viscosity	:	Up to 220CP
Max Temperature	:	Up to 120°C depending upon gland material
Design Pressure	:	Up to 6Kg/
Available Materials	:	SS304/SS304L/SS316L/PTFE/Monel/Hastalloy
Accuracy	:	± 2% FSD & ± 1.5% on request
Direction of conn	:	Back to Back, Bottom to top(Vertical)
Optional of conn.	:	Screwed, Hose, Compression Fitting
Packing/Gaskets	:	Neoprene, Silicon, Viton, PTFE

DIGITAL METAL TUBE ROTAMETER



Technical Specifications

Accuracy	: +/- 1.5% of FSR
Range ability	: 10:1
Repeatability	: +/- 0.25% of FSR
Temperature Rating	: -50 to 120°C
Pressure Rating	: 80 kg/cm ²
Flow Direction	: Bottom to Top

METAL TUBE ROTAMETER



Technical Specifications

Fluid	: Liquid, Gases & Steam
Density / Sp. gravity	: Upto 3
Viscosity	: Upto 200 CP
Design Temperature	: Upto 250°C
Design Pressure	: Upto 30Kg/cm ²
Measuring Range	: 100 to 40,000 LPH of Liquids 3.3 to 1400 Nm ³ /hr of Gas NTP
Line Size	: Upto 4" NB
Accuracy	: ±2% of FSD & ±1.5% on request
Scale length	: 90° Angular

BY-PASS ROTAMETER



Technical Specifications

Fluid	: Liquid, Gases & Steam
Density / Sp. gravity	: Upto 1.85
Viscosity	: Below 10 CP
Design Temperature	: Upto 150°C
Design Pressure	: Upto 13 Kg/cm ² in Case of Glass Tube Type Up to 25 Kg/cm ² in Case of Metal Tube Type
Measuring range	: 2.2 to 300 M ³ /hr of Water / Liquid 0.1 to 800 Nm ³ /hr of Air/Gas NTP
Line Size	: 50 NB to 600 NB
Accuracy	: ±2% of FSD & ±1.5% on request

CHLORINE ROTAMETER



Technical Specifications

Range	: 25 gm/hr to 20 kg/hr
Meter body	: PVC/PP
Tube	: Borosilicate
Float	: Ceramic / PTFE
Packing	: Viton
Connection	: BSP/BSW (as per requirement)
Rated Temp	: UP to 1.5 kg/cm ²
Accuracy	: +/-2%fsd
Repeatability	: 0.5%

WATER METER



Features

Magnetic drive, lower transmission resistance.
 Dry dial register ensures clear reading.
 Register may be rotated through 360°
 The measuring mechanism can be removed from the body for checking, maintaining and replacing, and the body don't need to be dismantled from the pipe.
 Low pressure loss, long working life.
 not affected by external magnetic field.

Working condition Water temperature : < 50° C
 Water pressure : < 1.6 MPa

Compliance with Standard ISO 4064 : 1993 CLASS B

TURBINE FLOW METERS



Technical Specifications

Fluid	:	Clear Liquid & Gases
Viscosity	:	Up to 20 CP
Design Pressure	:	Up to 25 Kg/cm ²
Measuring Range	:	0.18 to 350 M3/hr of Water/Clear Liquid 0.5 to 1000 NM3/hr of Air/Gas at NTP
Line Size	:	6 NB to 150 NB 6 NB to 150 NB
Available Materials	:	+1% of FSD & + 0.5% on request
Accuracy	:	Up to 2.95

ELECTROMAGNETIC FLOW METER



Technical Specifications

Line Size	:	15 NB to 300 NB/350NB-2000NB insurption type
Power Supply	:	24 VDC
Accuracy	:	± 1% of flow rate, Option: ±0.5% on request
Flow Range	:	0.5m/s to 10m/s
Minimum Conductivity	:	5µs/cm (micro Siemens/centimeter)
Lining	:	PTFE, Neoprene EPDM.
Process Temperature	:	Up to 800°C for Neoprene, Up to 1500°C PTFE
Electrodes	:	SS316, HastalloyC, Titanium, Monel
Protection	:	Ip67; Optional: IP68, Flameproof

SIGHT FLOW INDICATOR



Double Window Sight Glass



Double Window Sight Glass with Flapper



Double Window Sight Glass With Rotary Wheel



Full View Sight Glass



Full View Sight Glass With Indicating Ball



Double Window Sight Glass With Steam Jacket

Technical Specifications

Glass : Borosilicate Glass
 Sealing : CAF / PTFE / METALLIC / GRAPHITE / SPIRAL WOUND
 Cushion : CAF/ PTFE / METALLIC / GRAPHITE / SPIRAL WOUND
 End Connection : Flanged / Screwed
 MOC : SS-316L / SS-316 / SS-304/ M.S.
 CC Distance : Refer Below table

Type : Full View
 Glass : Borosilicate Glass
 Packing : PTFE
 CC Distance : 150 mm
 End Connection : Flanged
 MOC : SS-316L / SS-316 / SS-304/ M.S./PP

PRESSURE MEASURING INSTRUMENTS



Diaphragm Type Pressure Gauge



Bourdon Pressure Gauge



Glycerine Filled Pressure Gauge

MCLEOD GAUGE



Technical Specifications

- Range : 10 to 0.001 MM of HG
- Gauge Stand : Casted Iron
- Nozzle : 8.5 mm to 9 mm (Chrome Plated)
- Gauge Weight : 1.25 KG Approx.
- Gauge Box : CRC Sheet
- Capillary : Approx 3.5 to 3.67 Inner Diameter
- Text Pressure : 1.5 Time Of Operating Pressure
- Cover : Acrylic Sheet

DIGITAL MANOMETER



Technical Specifications

- Accuracy : Ranges: 0 - 10 mm Wc. $\pm 1.0\%$ Ranges: $\geq 0 - 25$ mm Wc $\pm 0.5\%$
- Optional Output : 4-20 mA/ 0 - 10 V/ Relay /Rs. 485
- Response Time : 100 - 3000 m Sec (Selectable via Menu)
- Operating Temperature : 10° to 60°C
- Storage Temperature : -30° to +100° C
- Over Pressure : Ranges: 50 mm Wc : 9 PSI, 100 to 1000 mm Wc :19 PSI
- Weight : 230 Gram
- Dimensions : 114 Dia. X 30 mm depth

ACRYLIC BODY MANOMETERS



Technical Specifications

Scale Graduation	:	Plastic Milky White printed Scale
Manometer Fluid	:	Red Gauge Oil, Sp. Gr. 0.823
End Connection	:	1/4" BSP (F) OR PVC Nozzle, type
Arrangement	:	Zero Adjusting Knob, Level Blub
Accuracy	:	± 0.25%, ± 0.1% of F.S.D. OR Better
Test Pressure	:	1.5 Time of Operating Pressure
Temperature	:	Below 70°C

METAL BODY U TUBE MANOMETERS



Technical Specifications

Casing	:	M.S./Aluminium from three side & cover with transparent Acrylic Front
Metering Tube	:	Special uniform bore thick walled Borosilicate Glass tube
Packing	:	Teflon / Neoprene
Scale	:	Milky white PVC with Black Colour Lining & Figures
Monometric Fluid	:	Water / Mercury / ATB Liquid Sp.Fr. 2096
Wetted Part	:	M.S., Aluminium, SS, PP < PVC
End Connection	:	1/4" BSP / NPT (F) OR Nozzle Type
Mounting	:	Wall Panel / Flush OR Stand Mounting
Arrangement	:	Drain Plug, Filling Plug, Zero Adjusting Knob
Accuracy	:	0.25%, 0.1% of F.S.D. OE Better
Text Pressure	:	1.5 Time Of Operating Pressure
Max. Temperature	:	90° C, Extra depend on Monometric Fluid

ABSOLUTE PRESSURE MANOMETER



Technical Specifications

Casing	:	MS/Aluminium
Tube	:	One end sealed mercury filled special uniform bore thick walled borosilicate glass tube.
Packing	:	Teflon/ Neoprene
Scale	:	Milky white PVC with black color lining & figures
Range	:	50-0-50 & 100-0-100 MM of HG
Wetted part	:	M.S./S.S.
End Connection	:	1/4" BSP/ NPT (F) or Nozzle type
Mounting	:	Wall Panel/ Stand Mounting
Accuracy	:	+/-0.25% / +/-0.1% FSD or Better

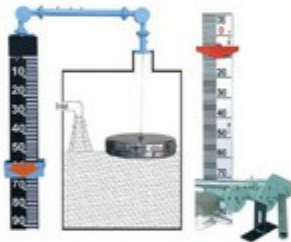
TUBULAR LEVEL INDICATOR



Technical Specifications

- Application : Liquids
- Wetted Part : MS / SS304 / SS304L / Ss316 / SS316L / PP / HDPE/ PVC / PVDF Lined Other Materials on Request
- Glass Protecting Channel : MS / Ss304 / Ss316 / PP / FRP / Aluminium
- Design Temperature : Upto 120°C
- Design Pressure : Upto 7 Kg/cm² and full vacuum
- C/C Distance : Up to 3000 mm
- Connection : Flanged to ASA/BS/DIN/ Socket Weld/ ButtWeld

FLOT & BOARD TYPE LEVEL INDICATOR



Technical Specifications

- Tank height/Range : 0 to 15 mtrs Without Wire Rope Guide
Assembly Above 15 mtrs With Wire Rope Guide Assembly
- Design Temperature : Up to 150° C
- Design Pressure : Up to 1 Kg/cm²
- C/C Distance : Flanged to ASA/BS/DIN/ Socket Weld/ Butt Weld
- Connection : MS / CS / Ss304 / SS304L / SS316 / SS316L / PP / HDPE

SIDE MOUNTED MAGNETIC LEVEL INDICATOR



Technical Specifications

- Liquids : Acid / Alkalies / Solvent / Oils Lubricants / Liquid gases
- Density/Sp. Gravity : Minimum 0.6
- Viscosity : Upto 250 CP
- Design Temperature : Upto 300°C
- Design Pressure : Upto 20 kg/cm²
- C/C Distance : Upto 5000 mm
- Material of wetted parts : S.S304 / SS304L / SS316 / SS316L / PTFE Lined S.S / PVC / PP
- Connection : Flanged to ASA/BS/DIN/JIS/Triclover

TOP MOUNTED MAGNETIC LEVEL INDICATOR



Technical Specifications

Liquids	:	Liquids Stored in Underground or over Ground Tanks
Density / Sp. Gravity	:	Minimum 0.6
Design Temperature	:	Up to 300°C
Design Pressure	:	Upto 10 Kg/cm ²
Viscosity	:	Up to 250 CP
Tank Height (Range)	:	Up to 3000 mm
Material of Wetted Parts	:	MS / SS304 / SS304L / SS316 / SS316L / PTFE
Connection	:	Lined / SS / PVC / PP
Minimum Nozzle size required	:	Flanged to ASA / BS / Din / Triclove
	:	4" NB for Liquids Below 0.8 Density

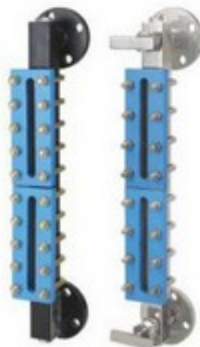
TRANSPARENT LEVEL INDICATOR



Technical Specifications

Application	:	Liquids
Liquid Chamber(Wetted Part)	:	MS/CS/ASTM A105/SS304/SS304L/SS316 /SS316L/PP, Other Material on request
Cover Plate(Non Wetted Part)	:	MS/CS/ASTM A 105/SS304/SS304L/SS316/ SS316L / PP, Other Material on request
Design Temperature	:	Upto300°C
Design Pressure	:	Upto 40Kg/cm ²
C/C Distance	:	Up to 6000mm
Connection	:	Flanged to ASA/BS/DIN/ Socket Weld/Butt Weld

REFLEX LEVEL INDICATOR



Technical Specifications

Application	:	Liquids
Liquid Chamber(Wetted Part)	:	MS/CS/ASTM A105/SS304/SS304L/SS316 /SS316L/PP, Other Material on request
Cover Plate(Non Wetted Part)	:	MS/CS/ASTM A 105/SS304/SS304L/SS316/ SS316L / PP, Other Material on request
Design Temperature	:	Upto 300°C
Design Pressure	:	Upto 40 Kg/cm ²
C/C Distance	:	Up to 6000 mm
Connection	:	Flanged to ASA / BS / DIN / Socket Weld / Butt Weld

TOP MOUNTED MAGNETIC LEVEL SWITCH



Technical Specifications

Service	:	Liquids
Design Temperature	:	UP to 80°C
Design Pressure	:	Upto 7 Kg/cm ²
Range	:	Up to 4000 mm
Materials	:	Ss304 / SS304L / Ss316 / SS316L / PP / HDPE / PVC
Connection	:	As per ASA / BS / JISScrewed to BSP/NPT (M/F)
Enclosure	:	Weather proof IP 65/Ex-Proof
Switch type and From	:	Hermetically sealed reed 1 NO+1NC
Switch rating	:	0.5 Amp, 230 VAC (For Higher Rating Use Relay)

SIDE MOUNTED MAGNETIC LEVEL SWITCH



Technical Specifications

Application	:	Liquid
Liquid Density	:	Above 0.5
Liquid Viscosity	:	Up to 500 CP
Design Pressure	:	Up to 15 Kg/cm ²
Design Temperature	:	Up to 300°C
Connection	:	Flanged to ASA/BS/DIN/ Screwed BSP / Screwed NPT
Material	:	SS304 / SS304L / Ss316 / SS316L / PP Lined / PTFE Lined other materials on request
Switch type	:	Micro, SPDT, DPDT
FORM	:	1 WO+1NC/2NO+2NC
Rating	:	5 Amp, 230 VAC
Enclosure	:	EX-Proof

CAPACITANCE TYPE LEVEL SWITCH



Technical Specifications

Application	:	Liquids Only
Viscosity	:	Any
Connection Size	:	50 NB
Density	:	Any
Transmitter Enclosure	:	Flame-proof, IP-65, IIA, IIB CMRI certified
Flange	:	MS/SS304/SS316
Process Connections	:	150 NB ASA Flanged
Mounting	:	Top of the tank
Power Supply	:	V D24C Eextrnal
Power Consumption	:	<10 VA
Connection Type	:	4-Wire
Response Time	:	< 1 Sec

VIBRATING FORK TYPE



Technical Specifications

Materials	:	SS316, SS316L, Hastelloy
Process fitting	:	Flanged to ASA/BS/DIN/ Triclover Standard, Screwed to BSP/NPT (M/F)
Process Temperature	:	-50...+250°C
Process Pressure	:	-1...+15Kg/cm ²

CONDUCTIVITY TYPE LEVEL SWITCH



Technical Specifications

Range	:	3 meters
Design Temperature	:	120°C
Design Pressure	:	15Kg/cm ²
Enclosure	:	Weather proof as per IP 56/65 Exproof for Gr IIA & IIB/IIIC
Special Features	:	Foam compensation fail safe device. Service: water, waste water treatment, food, drug, brewery, paper, sugar & allied industries special specifications are acceptable

CABLE FLOAT LEVEL SWITCH



Description

- A change in liquid level causes the float to tilt up or down and in the process move the steel ball to operate the micro switch plunger to close or open and electric circuit, which in turn operates auxiliary devices like alarm, solenoid valve, pump etc.
- Micro Switch used as contact output, switching capacity of 10A/250VAC can drive the submersible pump directly.

CAPACITANCE TYPE HI LOW CONTROL SWITCH



Technical Specifications

Media	:	Liquids Only
Viscosity	:	Any
Connection Size	:	50 NB
Density	:	Any
Transmitter Enclosure	:	Flame-proof, IP-65, IIA, IIB CMRI certified
Flange	:	MS/SS304/SS316
Process Connections	:	150 NB ASA Flanged
Mounting	:	Top of the tank
Transmitter Output	:	4 to 20 mA DC
Relay Output & Rating	:	Potentials Free Contacts & 5 Amp / 230 VAC
Level Display	:	4 Digit LED
Percent of Tank Full Display	:	4 Digit LED

MERCURY IN STEEL TEMPERATURE GAUGES



- Uses the principle of Mercury Expansion
- Temperature Range -30°C to 600°C
- Available in Rigid Stem & Capillary type for Remote Sensing
- Accuracy: +1% FSD
- Point level detection for wide range of liquids

BI-METAL TEMPERATURE GAUGES



- -50°C to 400°C
- With Rigid Stem
- Also in All-Angle Entry
- Accuracy: +1%FSD
- Point level detection for wide range of liquids

CONVENTIONAL THERMO COUPLE & RTD ASSEMBLIES

WITH ADJUSTABLE COMPRESSION FITTING



- Ceramic insulated wire-in-bead construction
- Available in K and N calibration
- SS316 and Inconel 600 are standard sheath materials
- Also available in SS310/SS316 & INCOLOGY 800
- Terminal heads for Flameproof applications also
- 1/2" BSP (F) cable entry as standard
- Single cable entry without cable gland as standard
- Double cable entry and cable glands optional
- Elements terminated into nickel plated brass terminals mounted on high purity ceramic terminal block
- All models also available with dual element configuration

WITH ADJUSTABLE FLANGE



CVG TECHNOCRAFTS INDIA

An ISO Certified Company

2, Ashpaque Compound, Scout Camp Road,
Ganesh Nagar, Behrambaug, Jogeshwari (W),
Mumbai - 400 102, Maharashtra, INDIA.

Telefax : +91-22-2674 1043 Cell : +91-93238 07296 / +91-91675 97097

Email : sales@cvgtechnocraft.in | cvgtechnocrafts@gmail.com

www.cvgtechnocraft.in