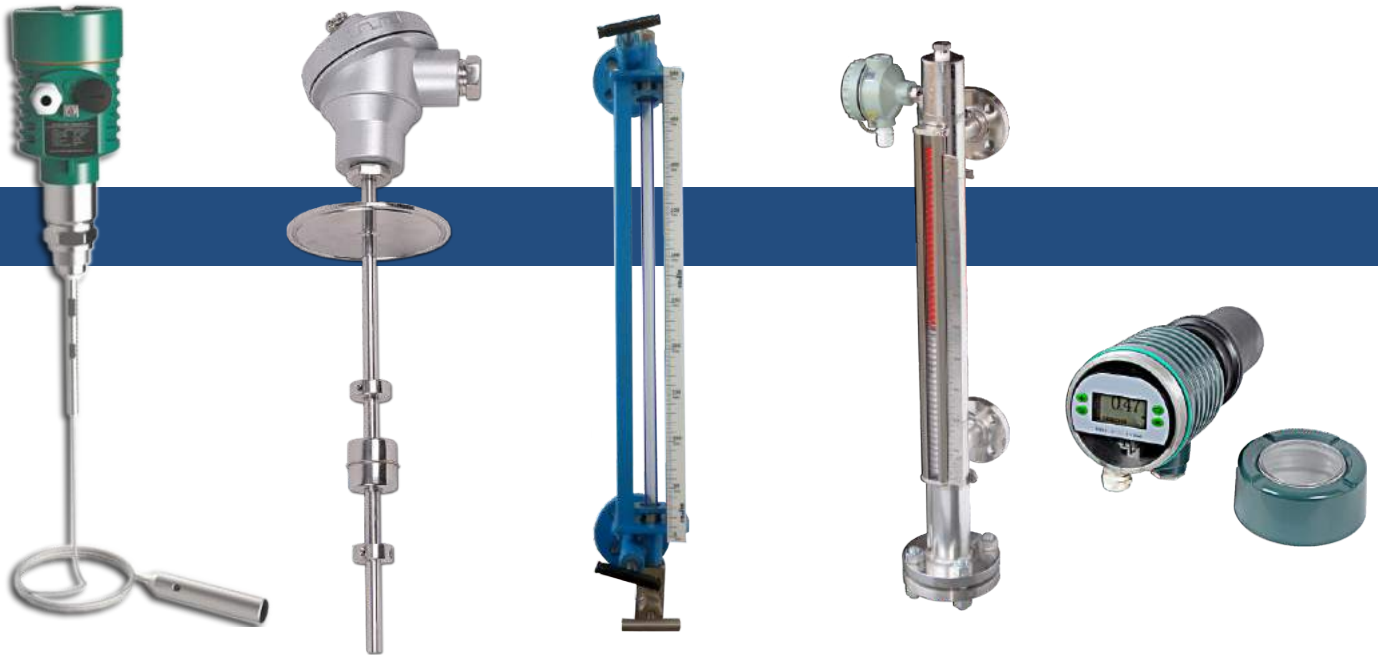


radix[®]

LEVEL CATALOG



Gauges
Switches
Transmitters
Controllers

www.radix.co.in

LEVEL SWITCHES

FLOAT GUIDED LEVEL SWITCH

Custom-made Multi-point Control



Threaded Connection



Flanged Connection



Multi-float



Side Mounting



Miniature Float



Plug-in Electrical Connector



Adjustable Connection



Tri-clover Connection

SERIES FGS

- Economical
- Easy installation
- Various mounting and process connections
- Range : Upto 4000 mm
- Liquid density : > 0.7 g/cm³
- Max temperature : 80 °C
- Max pressure : 10 Kg/cm²
- Wetted parts : SS304, SS316, PP and PTFE Coating
- Contacts : 40/120VA (NO-C), 60VA (NO-C_NC)
- Preset levels/floats : 1, 2, 3 or 4

CABLE FLOAT SWITCH

Easy Installation, Field Adjustable Setpoints

SERIES CFS

- Economical
- Range : Upto 10 mtrs
- Liquid density : > 0.75 g/cm
- Float MOC : Polypropylene
- Max temperature : 70 °C
- Max pressure : 2 kg/cm²
- Contacts : SPDT, 5A/250VAC



Single Floats



Multiple Floats

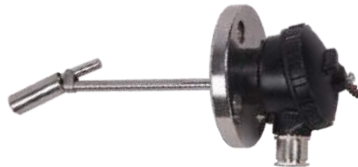
LEVEL SWITCHES

SIDE MOUNTED LEVEL SWITCH

For Small Tanks, Low Clearance On Top



Microswitch, Ex-proof



Reed Switch, Flanged Connection



Reed Switch, SS+PTFE Coating, Multi Switch



Reed Switch, Triclover Connection

SERIES SPS

- Compact, with internal or external mounting
- Reliable operation
- Liquid density : $> 0.7 \text{ g/cm}^3$
- Max temperature : $80 \text{ }^\circ\text{C}$ for reed switch / $250 \text{ }^\circ\text{C}$ for microswitch
- Max pressure : 20 Kg/cm^2
- Wetted parts : SS304, SS316, PP, PTFE
- Contacts : SPDT/DPDT, 5A/250VAC
- Enclosure : Cast Al, IP66, Ex-proof IIB/IIC

VIBRATING TYPE LEVEL SWITCH

Suitable for liquids and solids

SERIES VFS

- Process connection : Threaded / flange / triclover / customized
- Range : Upto 1000 mm
- Max temperature : 150 Deg C
- Max pressure : 12 Kg/cm^2
- Wetted parts : SS304/SS316
- Contacts : SPDT/DPDT, 5A/250VAC
- Enclosure : Cast Al



For Liquids



For Solid

CONDUCTIVITY TYPE LEVEL SWITCH

Rugged Construction, Four Field Adjustable Setpoints

SERIES CNS

- Suitable for low roof-height and large tanks
- Range : Upto 10 mtrs
- Max temperature : 80°C
- Max pressure : 5 kg/cm^2
- Wetted parts : SS304, SS316
- Conductivity : $25 \text{ }\mu\text{S}$
- Contacts : SPDT, 5A/250VAC
- Remote control unit LCU204 with upto 4 setpoints



Solid Electrode



Suspended Electrode

LEVEL SWITCHES

ROTARY PADDLE LEVEL SWITCH

For Solids

SERIES RPS

- Economical, low maintenance
- Insertion length : 200 to 1500 mm
- Bulk density : $> 0.5 \text{ g/cm}^3$
- Rotary speed : 1 RPM
- Ambient pressure and temperature
- Contacts : SPDT/DPDT, 5A/250VAC



ABS Plastic Head



Cast Aluminium Head

DISPLACER LEVEL SWITCH

*For High Pressure,
High Temperature*

SERIES DLS

- Suitable for narrow and wide level ranges
- Range : Upto 15 mtrs
- Adjustable setpoints
- Suitable for viscous and slurry type liquids
- Max temperature: 300 °C
- Max pressure : 100 kg/cm²
- Wetted parts : SS304, SS316, PTFE
- Contacts : 2 x SPDT, 5A/250VAC



SS Wetted Parts



Teflon Wetted Parts

CAPACITANCE LEVEL SWITCH

*Suitable For Liquids And Solids,
Field Adjustable Setpoint*

SERIES CPS

- Reliable
- Range : Upto 5 mtr
- Dielectric constant : > 1.8
- Max temperature : 150 °C
- Max pressure : 5 kg/cm²
- Wetted parts : SS304, SS316
- Contacts : SPDT, 5A/250VAC
- Integral and with remote control unit (LCU205)



Solid Electrode



Suspended Electrode

LEVEL GAUGES

IBR CERTIFIED MFG FACILITY

Required for pressure vessels such as tanks and boilers



TUBULAR LEVEL GAUGE

Simple Construction,
Local Indication

SERIES TBG

- Economical, compatible with any tank
- Borosilicate glass
- C-C distance : 400 - 3000mm
- Max temperature : 150°C
- Max pressure : 10 Kg/cm²
- Wetted parts : CS, SS304/316, PP, PVDF
- Options : Offset valve (autoball check protection)



REFLEX TYPE LEVEL GAUGE

High Pressure,
High Temperature Application

SERIES RLG

- Suitable for all types of transparent liquids
- Borosilicate toughened glass
- C-C distance : 170 - 3000mm
- Max temperature : 400°C
- Max pressure : 210 Kg/cm²
- Wetted parts : CS, SS304/316, PP
- Options : Offset valve (autoball check protection)



TRANSPARENT LEVEL GAUGE

Two Side Visibility

SERIES TLG

- High pressure, high temperature application
- For Liquid / Chemical / Oil / Solvent / Steam
- Borosilicate toughened glass
- C-C distance : 170 - 3000mm
- Max temperature : 400°C
- Max pressure : 210 Kg/cm²
- Wetted parts : CS, SS304/316, PP



Rear - rear
Side - side

FLOAT & BOARD LEVEL GAUGE

For Big Size Storage Tanks,
Low Maintenance

SERIES FBG

- Easy to install, modular design
- Economical
- Range : 1 - 15 mtrs
- Liquid density : > 0.8 g/cm
- Wetted parts : SS304/316, PP
- Gauge board : Aluminium / CS
- Options: Output - Switching, 4-20mA



Metallic construction
PP construction

LEVEL GAUGES

MAGNETIC LEVEL GAUGE

Suitable For Highly Corrosive Media, Easy Readability



Bicolour Flapper



Capsule Type



Dip-Stick Type Switch



Top Mount



MLG with Transmitter



MLG with Switch

SERIES MLG

- Low maintenance construction
- High readability
- C-C distance : 300 - 5000mm
- Liquid density : > 0.7 g/cm
- Max temperature : 400°C
- Max pressure : 100 Kg/cm²
- Wetted parts : SS304/316, PP, PVDF

LEVEL TRANSMITTERS

FLOAT GUIDED LEVEL TRANSMITTER

2-wire, 4~20mA Output, HART

SERIES FGT

- Rugged construction, easy installation
- Range : 400 to 4000 mm
- Liquid density : > 0.7 g/cm³
- Wetted parts : SS304, SS316, PP, PTFE coated
- Max temperature : 80 °C
- Max pressure : 10 kg/cm²



2-wire, 4~20mA Output



2-wire, 4~20mA Output With HART



With External Cage



CAPACITANCE TYPE LEVEL TRANSMITTER

2-wire, 4~20mA Output, No Moving Parts

SERIES CPT

- Suitable for liquids and solids
- Process connection: Threaded / Flanged / Triclover / Customized
- Range : Upto 5000 mm
- Dielectric constant : > 1.8
- Wetted parts : SS304, SS316, PP, PTFE coating
- Max temperature : 150 °C
- Max pressure : 5 kg/cm²



Solid Electrode



Suspended Electrode

LEVEL TRANSMITTERS

SUBMERSIBLE LEVEL TRANSMITTER

2-wire, 4~20 mA Output, For Extra Deep Tanks & Openings

SERIES SLT

- Economical, low maintenance
- Slender design for narrow openings
- Range : Upto 100 mtrs
- Wetted parts : SS316 probe, polyurethane cable
- Max temperature : 70°C



Internal Mounting



External Mounting

ULTRASONIC LEVEL TRANSMITTER

Non Contact Operation, 2-wire, 4~20 mA, HART Output

SERIES ULT

- Suitable for solids and liquids
- Programming via LCD display
- Range : 5, 10 and 15 mtrs
- Max temperature : 70 °C
- Max pressure : 1 kg/cm²
- Transducer MOC : PTFE / Polyurethane / Polycarbonate



COMBINED LEVEL & TEMPERATURE TRANSMITTER

Simultaneous Measurement of Level & Temperature

SERIES LAT

- Level range : 60 to 480 mm
- Temperature range : 0-100 °C (With Pt100)
- Max working pressure : 10 kg/cm²
- Output : 4~20 mA, 2-wire
- Power supply : 12 to 30 V DC
- Process connection : SS304
- Wetted part : SS304, SS316, PP, PTFE coating



WIRELESS LEVEL TRANSMITTER

Wireless Level Transmission

SERIES ZGE

- Input : Float guided level sensor type
- Wireless range : Up to 120m outdoor line of sight
Up to 40m indoor / urban
- Operating temperature : 0 °C to 50 °C
- Output : 4~20mA, 2-wire
- Operating frequency : 2.4 Ghz free radio band
- User programmable transmit interval
- Battery life : 1 year



LEVEL TRANSMITTERS

RADAR LEVEL TRANSMITTER

2-wire, 4~20 mA HART Output, Unaffected By Temperature, Pressure, Density



Contact Type
(Rope Type)



Contact Type
(Rod Type)



Horn Antenna



Rod Antenna



Ex-proof



High Frequency
(26 Ghz)

SERIES RLT

- Non-contact type for all types of applications
- Range : Upto 30 mtrs
- Max temperature : 250 °C
- Max pressure : 20 kg/cm²
- Wetted parts : SS304, SS316, PTFE
- Ex-proof option

LEVEL CONTROLLERS

CONTROLLERS FOR FGS SERIES



Panel Mounting



Wall Mounting



Din Rail Mounting



Ex Proof

- Upto 4 set points
- Latching through DIP switch
- Site settable

CONTROLLERS FOR CNS SERIES



Panel Mounting



Wall Mounting



Din Rail Mounting

- Upto 4 set points
- Latching through DIP switch
- Site settable

LEVEL CONTROLLER WITH LCD



With Volume Indicator

- 4 relays/setpoints
- Size : 96x96x100 mm
- Display: 16x2 LCD, 5-digit level, 7-digit volume indication
- For nonlinear tanks 256 point volume strap entry
- Level indication in %/mm/cm/M and volume indication in %/Ltr/M3/Kg

Product images given here are only for illustration. Actual product may vary.

CAT454R5

ENQUIRIES

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