Drum Level Switches - Drum Level Controls – Drum Continuous Indication

PRODUCT

The popular drum level indicators are built to fit standard manufactured drums for vertical or horizontal positions. Bung fittings vary in size - the most popular are 3/4" NPT, 1 1/2"" NPT and 2' NPT. If custom applications are required - please check he Custom Multi Level Page or Small Size Multi Level. or Continuous.

CONTROLS

Several switch controls are available for the drum level products. To control a pump or solenoid the solid state SSR 1000 is ideal with low excite voltage and 240 VAC up / down control. A high drum level, low drum level or combination alarm is available in either battery or wall transformer configuration. Our product can also connect over the phone lines to provide a simple alarm system.

SPECIFICATIONS:

Operating Temperature:
Stainless Float - 300 deg. F 148.9 deg. C
Buna Float - 200 deg. F. 92 deg. C in oil
PVC - 140 deg F

Max. Pressure:
Buna 150 psi
Stainless Steel 700 psi
PVC 15 psi

Switch:
SPST 240 VAC @ 0.5 amps resistive (see spec sheet)
SPDT in large only - 30 VA - 120 VAC

Minimum Sp. Gr.:
Stainless Steel - .98 Stainless Steel - 0.7 PVC 0.6

DRUM LEVEL AND PROBE LENGTHS

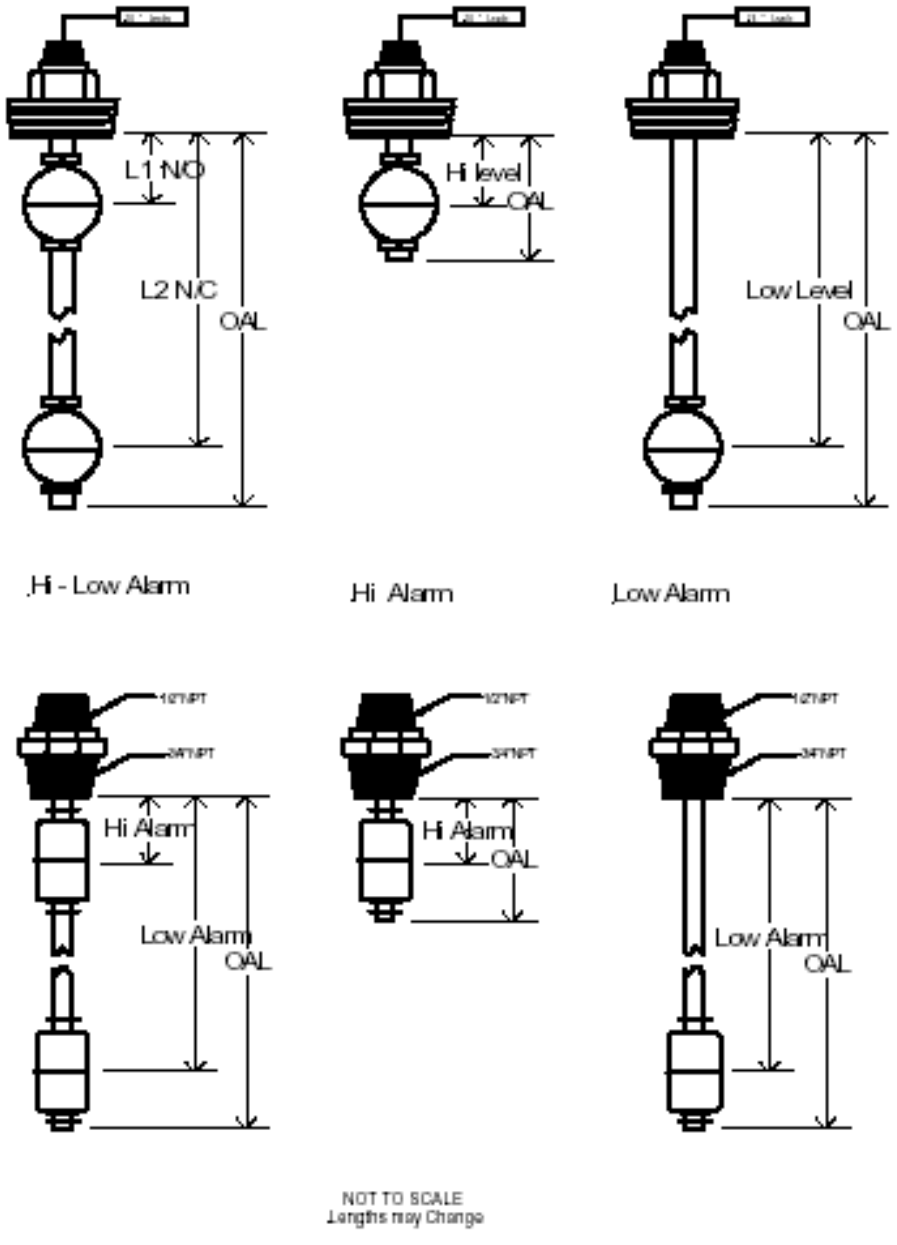
Vertical Drum 55 Gallon:
Continuous Level Probe - 30"
High Level Alarm - 1" N/O
Low Level Alarm - 31" N/C
Hi / Low Indication - Top 1" N/O bottom 31" N/C

Horizontal Drum 55 Gallon
Continuous Level Probe - 20"
High Level Alarm - 1" N/O
Low Level Alarm - 25" N/C
Hi / Low Indication - Top 1" N/O - Bottom 25" N/C

Vertical Drum 30 Gallon
Continuous Level Probe - 24"
High Level Alarm - 1" N/O
Low Level Alarm - 25" N/C
Hi / Low Level Indication - Top 1" N/O Bottom 25" N/C

Horizontal Drum 30 Gallon
Continuous Level Probe - 15"
High level Alarm - 1" N/O
Low Level Alarm - 16" N/C
Hi / Low Level Alarm Top 1" N/O Bottom 16" N/C

Drum Level Drawings



Drum Level Part Numbers

Continuous Level Indication 2" NPT

Material	Length	Part Number	Add for 4 - 20	Price	Price with 4 - 20
Stainless Stee	30"	SR20 - 1 - 30 - 31	- 4/20		
Stainless Steel	20	SR20 - 1 - 20 - 21	- 4/20		
Stainless Steel	24	SR20 - 1 - 24 - 25	- 4/20		
Stainless Steel	15	SR20 - 1 - 15 - 16	- 4/20		
Brass / Buna	30	BR20 - 3 - 30 - 31	- 4/20		
Brass / Buna	20	BR20 - 3 - 20 - 21	- 4/20		
Brass / Buna	15	BR20 - 3 - 15 - 16	- 4/20		
Brass / Buna	30	BR20 - 3 - 30 - 31	- 4/20		
		BR20 - 3 - 30 - 31	- 4/20		

High Level Alarm Switch 55 Gallon Drum and 30 Gallon Drum fits Vertical and Horizontal

Material	Fitting Size	Part Number	Price
Stainless Steel	3/4" NPT	SSR75 - 2 - 1A - C	
Stainless Steel	1 1/2" NPT	SR15 - 2 - 1A - C	
Stainless Steel	2" NPT	SR20 - 1 - 1A - C	
Brass / Buna	3/4" NPT	SBR75 - 2 - 1A - C	
Brass / Buna	1 1/2" NPT	BR15 - 3 - 1A - C	
Brass / Buna	2" NPT	BR20 - 3 - 1A - C	

Low Level Alarm Switch 55 Gallon Drum

Material	Fitting Size	Vertical Part Number	Price	Horizontal Part Number	Price
Stainless Steel	3/4" NPT	SSR75 - 2 - 31B - C		SSR75 - 2 - 25B - C	
Stainless Steel	1 1/2" NPT	SR15 - 2 - 31B - C		SR15 - 2 - 25B - C	
Stainless Steel	2" NPT	SR20 - 1 - 31B - C		SR20 - 1 - 25B - C	
Brass / Buna	3/4" NPT	SBR75 - 2 - 31B - C		SBR75 - 2 - 25B - C	
Brass / Buna	1 1/2" NPT	BR15 - 3 - 31B - C		BR15 - 3 - 25B - C	
Brass / Buna	2" NPT	BR20 - 3 - 31B - C		BR20 - 3 - 25B - C	

Drum Level Part Numbers - continued

HI and Low Level Alarm Switch 55 Gallon Drum

Material	Fitting Size	Vertical Part Number	Price	Horizontal Part Number	Price
Stainless Stee	3/4" NPT	SSR75 - 2A - 31B - C		SSR75 - 2A - 1 - 25B - C	
Stainless Steel	1 1/2" NPT	SR15 -2 - 1A - 31B - C		SR15 - 2 - 1A - 25B - C	
Stainless Steel	2" NPT	SR20 -1 - 1A - 31B - C		SR20 - 1 - 1A - 25B - C	
Brass / Buna	3/4" NPT	SBR75 - 2 - 1A - 31B - C		SBR75 - 2 - 1A - 25B - C	
Brass / Buna	1 1/2" NPT	BR15 -3 - 1A - 31B - C		BR15 - 3 - 1A - 25B - C	
Brass / Buna	2" NPT	BR20 -3 - 1A - 31B - C		BR20 - 3 - 1A - 25B - C	

Low Level Alarm Switch 30 Gallon Drum

Material	Fitting Size	Vertical Part Number	Price	Horizontal Part Number	Price
Stainless Steel	3/4" NPT	SSR75 - 2 - 25B - C		SSR75 - 2 - 16B - C	
Stainless Steel	1 1/2" NPT	SR15 -2 - 25B - C		SR15 - 2 - 16B - C	
Stainless Steel	2" NPT	SR20 -1 - 25B - C		SR20 - 1 - 16B - C	
Brass / Buna	3/4" NPT	SBR75 - 2 - 25B - C		SBR75 - 2 - 16B - C	
Brass / Buna	1 1/2" NPT	BR15 -3 - 25B - C		BR15 - 3 - 25B - C	
Brass / Buna	2" NPT	BR20 -3 - 25B - C		BR20 - 3 - 16B - C	

HI and Low Level Alarm Switch 30 Gallon Drum

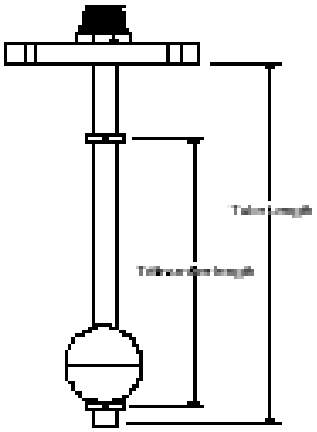
Material	Fitting Size	Vertical Part Number	Price	Horizontal Part Number	Price
Stainless Steel	3/4" NPT	SSR75 - 2 - 1A - 25B - C		SSR75 - 2 - 1A - 16B - C	
Stainless Steel	1 1/2" NPT	SR15 -2 - 1A - 25B - C		SR15 -2 - 1A - 16B - C	
Stainless Steel	2" NPT	SR20 -1 - 1A - 25B - C		SR20 - 1 - 1A - 16B - C	
Brass / Buna	3/4" NPT	SBR75 - 2 - 1A - 25B - C		SBR75 - 2 - 1A - 16B - C	
Brass / Buna	1 1/2" NPT	BR15 -3 - 1A - 25B - C		BR15 - 3 - 1A - 16B - C	
Brass / Buna	2" NPT	BR20 -3 - 1A - 25B - C		BR20 - 3 - 1A - 16B - C	

Continuous Level Transducer
SRC Series

How Does It Work?

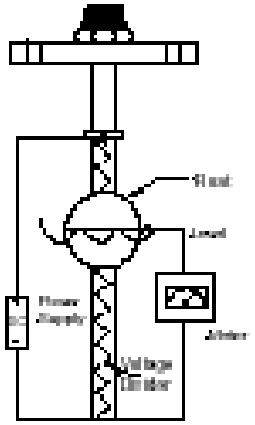
The transducer probe encapsulates a tiny printed circuit board isolated from the probe wall and is sealed at the top preventing moisture from entering the assembly. As the magnetic equipped float travels the probe (following the liquid level) it taps off sections of the probe thus outputting a signal that is calibrated to equal the level.

Output can be resistive with 1 to 10 VDC, or a 4 – 20 output for other types of controls. It can control a local level meter, bar graph, adjustable start stop level or pump control, alarms, chart recorders, be directed to a web and more.



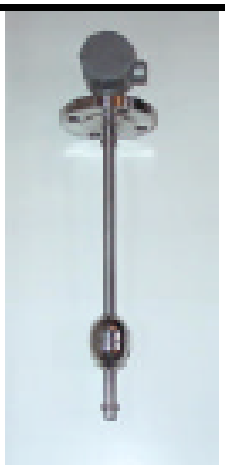
Features

- ✓ The SRC series is not limited to the spec sheet.
- ✓ Standard lengths in stainless to 10 feet
- ✓ Brass to 11.5 feet
- ✓ Special request sp.gr. floats for hydrocarbons etc.
- ✓ Several outputs available 0 to 5 VDC, 0 to 10 VDC, 4-20 mA
- ✓ Local or remote readings – analog or digital
- ✓ Probe size can be 0.50", 0.625", 1", 1.25" tube
- ✓ Many process connection options
- ✓ Complete controls are available – some not shown
- ✓ Sensing voltage – 20 VDC Max
- ✓ Custom lead lengths
- ✓ Easy ordering



Easy Ordering

1. Select, compatible to process, transducer material
2. Choose process connection size 2" NPT and up or ¾ NPT
3. Select transducer indicating length
4. Select probe length -2" required above and below transducer for float to fit. ¾diameter is most cost effective
5. Select output
6. Call or send a sketch and a drawing will be returned for approval

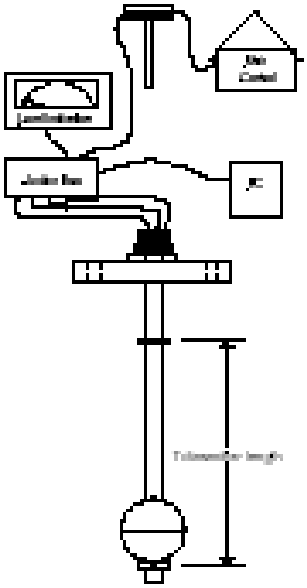


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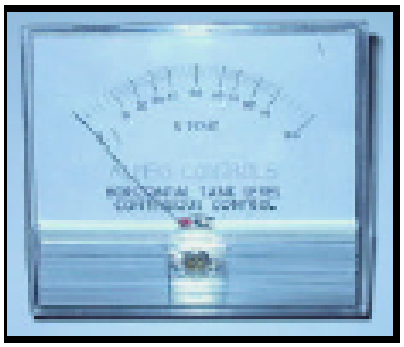
Controls for the Continuous Level Transducer
SRC Series

Local Indication

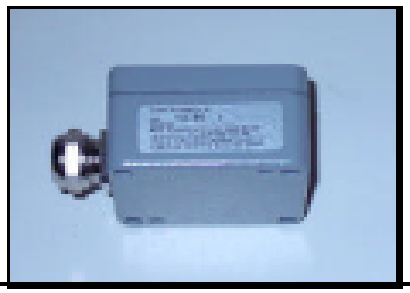




Horizontal Tank Level Indication



Converts to 4 – 20 signal



New Controllers

1. Vertical bar graph with controls for level and alarms
2. Intrinsically safe for resistive type
3. Local digital display
4. Readings to 7 day charts
5. Web access to visual indication (monthly fee)
6. Control with six adjustable switch points

Stainless Specifications

Length: 3" to 19'
Wetted parts: 316 SS
Accuracy: 10 mm + / -
Specific Gravity: 0.75 standard
Max. Pressure: 600 psi
Sensing Voltage: 20 VDC Max.
Temperature: - 40 to 300 Deg. F
Lead length: 36" standard – longer optional

Brass / Buna Specifications

Temperature: - 40 to 225 deg. F oil
Pressure: 200 psi
Specific Gravity: Standard 0.55 – options available

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LEVEL
- Magnetostrictive
- Ultrasonic
- Radar
- Mechanical Rotary
- Hydrostatic
- Float
- BOB
- Thermal Mass
- Ultrasonic Gap
- Capacitance
- Laser

FLOW
- Area Velocity
- Coriolis
- Doppler
- Positive Displacement
- Differential Pressure
- Magmeter
- Paddle Wheel
- Thermal Mass
- Transit Time
- Turbine
- Vortex
- Rotameters

ANALYTICAL
- Density
- Conductivity
- Interface Level
- Total Suspended Solids
- Dissolved Oxygen
- Sampling Pumps
- Multi-Parameter UV
- Residential Chlorine
- Samplers
- Turbidity
- pH/ORP

PROCESS CONTROLLERS
- Temperature
- Switches
- Sensors
- Thermowells
- Transmitters

VALVE CONTROL
- Continuous or Point
- Positioner
- Analog Feedback
- Limit Switch
- Parts

PRESSURE
- Gauge
- Differential Pressure
- Absolute

GAS DETECTION
- Toxic
- Combustibles
- Oxygen

PANEL INSTRUMENTS
- Universal Indicators
- DIN Size Controllers
- Data Aquisition Systems
- Analog Indicators
- Data Loggers
- Multiloop Controllers
- Signal Conditioners

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