Jaycee Technologies Pvt. Ltd.

ISO 9001-2008 Certified Company







Transmitters

Flow Meters

Moisture Sensors

Density Measurement Meter

www.jayceetech.net

INDEX

ABOUT US

Jaycee Technologies Private Limited is an ISO 9001-2008 and CE certified Manufacturer, Exporter and Supplier of Moisture Measurement Meter, Level Transmitters, Flow Meters and Level Switches. Our products are application oriented instruments fabricated using best quality material and components like SS, brass, electronic components, Al casings, etc. Owning to durable quality, precise design, and corrosion resistant properties, the products are wide on demand in the cement, power, process industry, mineral-based industry, textile and other industries.

Our company was incepted in the August 2000, at Pune, Maharashtra under the able guidance and supervision of our Managing Director **Mr. Abnue K Jalali**, who has profound experience of 32 years in the same domain. By supplying quality products with on time delivery of consignment, we are able to establish a renowned name in the competitive market across the globe.

Infrastructure :

Our cutting-edge manufacturing facilities are spread in an area of 3000 Sq. Feet. We are well equipped with the latest and innovative machinery. Further, we have separate department of R&D facilities and quality testing unit. Our production capacity is 5000 units per year. We have the latest CAD (Computer-Aided Design) and CAM (Computer-Aided Manufacturing) facilities to cope up with the diverse needs of our customers.

Quality Assurance :

We are quality driven organization. We take due care to maintain the standard of our products. To offer the best quality products, we have appointed quality supervisors who check the quality from the procurement of raw material to final dispatch. They check the products on various parameters and ensure that they are manufactured in the compliance with the international quality standards. Our warehouse and packaging personnel are expert in packing the product in safe and quicker way.

Clientele :

We have been able to garner a large number of clients all over the market. These are some of our prestigious clients :

- Tata group
- Birla group
- L&T
- Sail
- Hll
- Saint Gobin
- Ashapura Group
- Jindal Group
- MSP Group

OUR PRODUCTS

VIBRATING FORK LEVEL SWITCH

PNP

TECHNICAL SPECIFICATIONS

Housing	:	Steel/ Aluminum, weather proof, powder coated. integral with the probe
Cable entry	:	1 nos.(standard)
Ambient temperature	:	0 ° C to +60° C
Power consumption	:	0.3VA
Mains Voltage	:	18 to 36 V DC or
Output	:	PNP or NPN DC output.
Switching delay	:	Continuously adjustable from 2 (in cast Al Version) to 20 sec. probe Free or probe covered.
Safety operation	:	Field selected switch over for (In Cast Al Version) min. or max. (FSL/FSH) switching points.
Switch status display	:	Green LED shows Normal, Red LED shows alarm.

FORK (SENSING PROBE) :

Mounting	:	Screwed – 1 " BSP (standard) Or flanged(Optional)
Sense	:	Fork, Stainless steel
Extension	:	Pipe (optional) in extended type
Length	:	125 mm (standard) up to 3000 mm and as per application
Operating Temp in	:	150 deg for the integral switching Vassal unit. (standard)/ 200 Deg ,C Optional.

Models

SWIFT 7010	330hz frequency, Weather proof IP 67Cast Al housing. With universal mains. 18-30 V Dc and 65 to 265 V AC. 1 DPDT relay output.
SWIFT 7020	330hz frequency, Weather proof IP 67 Cast Al compact housing. PNP DC output
SWIFT 7030	330hz frequency, Weather proof IP 68 C Steel Pipe housing. PNP DC output
SWIFT 7020 Ex	330 Hz frequency, Weather proof IP 65, Flameproof as per BIS standard vide CIMFRTc/sR/H642 DT16tA2t20 and PESO certificate no A/P/HQ/MH/104/2738(P302245)

OUR PRODUCTS

VIBRATING FORK HARP LEVEL SWITCH

TECHNICAL SPECIFICATIONS

Housing	:	Steel/ Aluminum, weather Proof, powder coated. Integral with the probe
Cable entry	:	1 nos.(standard)
Ambient temperature	:	0 ° C to +60° C
Power consumption	:	1 VA
Mains Voltage	:	18 to 36 V DC or
Output	:	PNP or NPN DC output.
Switching delay		:Continuously adjustable From 2 (in cast Al Version) to 20 sec. probe
(IN CAST AL TYPE)		Free or probe covered.
Safety operation max.	:	Field selected switch over For (In Cast Al Version) min. or (FSL/FSH)
(IN CAST AL TYPE)		Switching points.
Switch status display (IN CAST AL TYPE)	:	Green LED shows Normal, Red LED shows alarm.
FORK (SENSING PROBE)	:	
Mounting	:	Screwed – 1 1/2 " BSP (standard)Or Flanged (optional)
Sense	:	Fork, Stainless steel
Extension	:	Pipe (optional) in extended type
Length	:	200 mm (standard) up to 3000mm and as per application.
Operating Temp in (Optional)	:	150 deg for the integral switchingVassal unit. 200DC

Models:

HARP 2010 -	2Khz frequency, Weather proof IP 67Cast Al housing. With universal mains. 18-30 V Dc and 65 to 265 V AC. 1 DPDT relay output.
HARP 2020	2Khz frequency, Weather proof IP 67 Cast Al compact housing. PNP DC Output
HARP 2030	2Khz frequency, Weather proof IP 68 C Steel Pipe housing. PNP DC output
HARP 2020 Ex	2K Hz frequency, Weather proof IP,65, Flameproof as per BIS standard vide CIMFRTc/sR/H642 DT16tA2t20 and PESO certificate no: A/P/HQ/MH/104/2738(P302245)

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OUR PRODUCTS

VIBRATING FORK HONNEY BEE LEVEL SWITCH

PNP OUTPUT

TECHNICAL SPECIFICATIONS

Housing	:	Steel/ Aluminum, weather proof, powder coated. Integral with the probe
Cable entry	:	1 nos.(standard)
Ambient temperature	:	0 ° C to +60° C
Power consumption	:	0.3VA
Mains Voltage	:	18 to 36 V DC or
Output	:	PNP or NPN DC output.
Switching delay	:	Continuously adjustable From 1 to 20 sec. probe Free or probe covered.

(IN CAST AL TYPE)
Safety: Field selected switch over for(In cast Al version) min or max(FSL/FSH) Switching points
(IN CAST AL TYPE)
Switch status display: Green LED shows Normal, Red LED shows alarm
(IN CAST AL TYPE)
FORK (SENSING PROBE):

Mounting	:	Screwed – 1/2 " / ¾" BSP (standard)Or Flanged (optional)
Sense	:	Fork, Stainless steel
Extension	:	Pipe (optional) in extended type
Length	:	70 mm (standard) up to 3000 mm and as per application.
Operating Temp in	:	150 deg for the integral switching Vassal unit.

Models

HONEYBEE 7210 -	2Khz frequency, Weather proof IP 67Cast Al housing. With universal mains. 18-30 V Dc and 65 to 265 V AC. 1 DPDT relay output
HONEYBEE 7220	2Khz frequency, Weather proof IP 67 Cast Al compact housing. PNP DC output
HONEYBEE 7230	2Khz frequency, Weather proof IP 68 C Steel Pipe housing. PNP DC output
HONEYBEE 7220 Ex	2K Hz frequency, Weather proof IP,65, Flameproof as per BIS standard vide CIMFRTc/sR/H642 DT16tA2t20and PESO certificate no A/P/HQ/MH/104/2738(P302245)

NRF ADMITTANCE Level Switch

TECHNICAL SPECIFICATIONS (STADARD):
SWITCHING UNIT:JAYCEEADMITT 3600

Housing	:	Aluminum, weather proof IP-67, Powder coated. Integral with the probe mounting.
Cable entry	:	1 nos. (standard)
Ambient temperature	:	0 ° C to +60° C
Power consumption	:	0.15 W
Mains Voltage	:	18 to 36 V DC
Output	:	PNP NO/NC DC output.
Operating Frequency	:	6 KHz

COAT GUARD SENSING PROBE:

Mounting	:	Screwed – 1 ½" BSP (standard) Or Flanged (optional) or as per specification.
Sense rod	:	Stainless steel
Shield	:	Stainless steel
Insulation	:	PTFE (standard) Other on request and as per application.
Operating Temp in	:	100 deg for the integral switching vessel unit. For higher temp remote (please consult works)

MODELS AVAILABLE IN NRF

JAYCEEADMITT	:	3600 WITH PNP OUTPUT, DC MAINS
JAYCEEADMITT	:	3610 WITH DPDT RELAY OUTPUT MAINS 18-36 V DC AND 65 TO 265 V AC

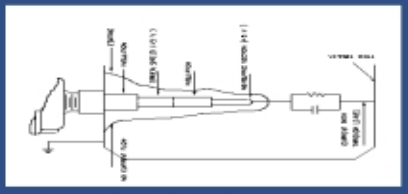
THEORY:

The RF level switch operates on the basis of RF absorption measurement. The electronic unit generates a sinusoidal wave, applied to the electrode creating a field around it. RF environment absorption changes (electrical loss) around the electrode are reflected on changes of generator supply current. Such changes, caused by the increase in level is amplified and used to energies the relay.

The main drawback of the conventional method is that after the level has once increased and then decreased, there may be a coating left on the probe which is sensed by the instrument as though the level is still on the probe.

In JAYCEEADMIT a COAT GUARD and Trance Conductance amplifier are incorporated in the circuit having its output exactly at the same voltage and phase at all times as its input.

The output is connected through the shield of the low capacitance co-axial cable to the concentric tube on the sense probe, called shield element. Since both the elements, sense and shield are exactly at the same potential and phase at all times, there is no current flow through the cable. Thus there is no change in calibration due to coating on the probe and the temperature effect of the cable



EQUIVELENT CIRCUIT

ROTATING PADDLE POINT LEVEL SWITCH

TECHNICAL DETAILS:

JAYCEROTO – 6000 SERIES

Housing	:	Cast Aluminum Insertion length : 150 mm standard,
Extension	:	upto 3 mtrs
Revolution per minute	:	1 / minute
Ambient temperature	:	– 40 °C…+65 °C
Material of wetted parts	:	stainless steel,
Number of vanes	:	stainless steel, 1 to 4, various types available as per application.
Process connection	:	1-1/2" BSP (standard) others on request.
Medium specific gravity	:	min. 0,08 kg / dm3
Medium temperature	:	40 °C…+80 °C,
Special version available.	:	upto 200 °C
Electrical Cable	:	gland PG -16, 2 nos. (Polymer)
Medium pressure	:	max. 2 bar
Special Version	:	Detection of solids under 10 mtr water colomn.
Output	:	SPDT 230 V AC, 10 A, Power
supply	:	230 V AC, ±15% or 110 V AC or 24 V DC

THEORY:

A small electric motor drives the paddle, which rotates freely in the absence of material.

Impeded by material the motor will be turned within the housing while loading a spring and triggering two switches. One of them is a dry electric contact for control and alarm functions while the other cuts the power to the motor. When the material level drops, the loaded stretched tension spring returns the motor to its original position and the unit is reactivated.

Application:

JAYCEEROTO heavy duty, rotary paddle switches are the most suitable for level detection of dust granules and other free flowing solids up to the particle size of Ø10 mm. Mounted in bins, silos and hoppers it can be applied for control of level, filling and emptying as well as for protection against overfilling.

Main application areas:

Agriculture: beet slice, hard crop, Chemical industry: plastic powders, granules, pellets

Food industry : sun flower, sun flower cod, Building industry: sand, calcium powder, gypsum, coffee and cacao powder, flour, sugar, etc. Energetics: active soot, coal powder, fly ash.

Number and material of vanes Specific gravity and particle size of the material provides orientation for the number of vanes. Most commonly used is the stainless steel, single vane blade. The lowest specific gravity for this paddle is 0,4 kg/dm3.
For lighter materials the use of 3- or 4-vane paddle is recommended.
PROBES
Standard probe length : 150 mm.
Longer length up to 3 m. Construction and length of the probes would depend upon the application. Various types of probes:, Rigid and Flexible available.

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OUR PRODUCTS

ROTATING PADDLE LEVEL SWITCH

SALIENT FEATURES:

- No CLUTCH, NO GEAR, NO SPRING.
- Flexible coupling (optional as per application)
- Robust, dust and watertight housing
- **Extended Probe possible.**
- **Extended life by motor shut off design.**
- Sealed bearings.
- Interchangeable paddle assemblies,

FUNCTION:

ABOUT JAYCEE E-ROTO

A stepper motor rotate the Paddle slowly An encoder coupled to the paddle shaft produces electrical pulses during its rotation. The pulses are monitored by a microcontroller to monitor its movement. Paddle rotation stops when the material covers it. The microcontroller gets signal from the encoder about the material presence and signal is processed to derive potential free contacts. The microprocessor continuously checks the material presence. The paddle shakes and vibrates to discard the built up material ensuring the material has receded and paddle is free. Thereafter the output status is changed and motor starts rotating smoothly again waiting for the level to come

APPLICATION

E-ROTO heavy duty, rotary paddle switches are the most suitable for level detection of dust granules and other free flowing solids up to the particle size of Ø10 mm. Mounted in bins, silos and hoppers it can be applied for control of level, filling and emptying as well as for protection against overfilling

PRIMARY AREA OF APPLICATION

Building industry materials, cement, sand, lime, etc
Foodstuff industry, milk powder, flour, salt, foodgrains, etc

Plastic industry, powder, granular etc.
Timber industry, chemical and mining

CONDUCTIVITY LEVEL SWITCH

JAYCEEAQUA– 4000 SERIES
MULTI CHANNEL CONTROLLER **CONDUCTIVITY PROBE**

APPLICATIONS:

For conductive Liquids and Low-conductive Liquids such as DM-Water. Suitable for liquid having conductivity as low as 1 micro Siemens.

TECHNICAL SPECIFICATIONS:

SWITCHING UNIT:	Micro controller Based.
Housing:	DIN RAIL, suitable for back panel mounting
Ambient temperature:	0 ° C to +60° C
Mains Voltage:	65-265V AC, 50Hz/18-36V DC
Output:	1 sets of potential free c/o contacts rated at 5 amps, 230VAC for resistive loads per switch point.
Power consumption:	2.5 VA
Safety operation:	Field selected switch over for minimum or maximum (FSL/FSH) switching points.
Switch status display:	LED L1 to L4 for four points of level Alarm and L5 for power ON/ timer.

SENSING PROBE:

Mounting:	Screwed – 1/2" BSP (standard), Above 1/2" BSP and flanged mounting (As per application and requirement)
Sensing Probe:	Stainless steel 304/ 316 rod / rope type
Insulation:	PTFE (standard) Other insulation on request and as per application.
Operating temperature:	200 ° C max. (Inside vessel)

DIAPHARGM LEVEL SWITCH

APPLICATION

The JAYCEEBOOT level switch is used for indicating, controlling,and regulating the level ofgranulated or powdered dry materials with a grain diameter up to 30 mm and a density of 0,3 to 2,5 g/cm3, flowing through a silo, hopper or chute.

FEATURES

The JAYCEEBOOT consists of a micro switch inside a cast Al housing , covered by a flexibleDiaphragm .

OPERATION

The device must be mounted so that thediaphragm membrane is exposed to the productwhose level should be controlled, in such a waythat the product, can press the diaphragm.
The material weight presses the diaphragm which is adjusted with the microswitch through aflexible mechanism. A liver attached to the diaphragm transfers the pressure to themicro switch which changes the contact.
When the material recedes the diaphragm comes back to its normal position and the micro switch again changes the contact.

TECHNICAL SPECIFICATIONS

Normal sensitivity:	200 gm / 400 gm
Diaphragm Membrane material:	Nitrial Rubber / SS
Ambient temperature:	60 Deg Micro switch
contacts:	15 Amp, 230 V AC, Potential free
Cable Gland :	PG 11
Main body	Cast Aluminium
Switching Housing	Polymer for SS type
Protection for switching housing	IP 67

INSTALLATION AND MOUNTING

The JAYCEEBOOT can be installed outside the container by making a hole on the wall, so that the membrane remains exposed to the product inside. Suspended by means of atube, it can be also installed inside the container. Using adaptors, it can be installed in pipes and conduits.
Wherever possible level switch should be mounted on vertical surfaces. By this means, the product can flow free downwards, and wrong indications are avoided. It can be mounted on surfaces with a slope of not more than 30 degrees from vertical, provided thatthe product leaves the membrane thoroughly free when flowing along.
If maximum levels are to be controlled, the devices must be mounted at such a height thatthe product overflowing the membrane can exert pressure on this membrane, working themicro switch.

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OUR PRODUCTS

FUEL LEVEL SENSOR TRANSMITTER

FUELTRANCE-5000 SERIES

SPECIFICATIONS:

Housing:	Cast Al, W/p
Mains :	12 VDC to 24 VDC
Current Consumption:	20 mA (max)
Response time:	better than 10 sec
Accuracy:	better than +/- 1%
Operating Temp:	20 to +60° C.
Signal Output: 485/4-20 mA DC	0 to 5 V DC Or 0 to 10 VDC, RS
Mounting:	Screwed 3/4 " BSP, Flange Optional

(SENSING PROBE):

Mounting	: Screwed – 3/4" BSP (standard) Or Flanged (optional)
Sense	: Pipe/Rod Stainless steel (SS 304)
Grounding	: Pipe, SS304
Length	: 200 (standard) up to 2000 mm
Accuracy	: 4 mm Standard 2 mm Special Version
Operating Temp in	: 70 deg for the integral unit. (Standard)

APPLICATION:

Fuel level sensor capacitive fuel trance is designed for diesel
Fuel level measurement in fuel tank of vehicles and stationary units.

IT IS PROHIBITED TO USE fuel trance for level measurement of electricallyconducting liquids (for example, water).

Models:

- FUELTRANCE 5105 Output : 0-5 V DC, (3 – wire)
- FUELTRANCE 5110 Output : 0-10 V DC (3- wire)
- FUELTRANCE 5120 Output :4-20 m A Dc (2 wire)
- FUELTRANCE 5485 Output :RS 485 (4 wire)

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OUR PRODUCTS

CAPACITANCE LEVEL TRANSMITTER

CAPTRANCE 5000

Probe Specification Chart :

Conductive material : Water based solutions. Acids, Based etc – only insulated probe are suggested.

Non-Conductivity material: Mostly petrochemical and solvents – insulated or non- insulated probes can be used.

Usage

Liquid Application:

Acids	Acitone	Amonia	Benzine	Feed water	
CTC	Diesel	Oils	Fruit Juice	Milk	Wine

Specifications

Probe Length /Measuring range	0.25 to 3m (Rod), 1 to 6m (Rope)
Process length / Measuring range	As per application
Probe Material	Stainless steel rod /Rope insulated partly or fully with PTFE
Medium Temp	-20Deg C to 100 Dec C
Special Version	Up to 200 Deg C
Electronics	0oC to +65oC
Output	4-20 m A DC (2 wire loop power)
Supply voltage (NOMINAL)	12-36 V DC
Mounting Connection	1/2" Standard for Rod probe, others as per request and application

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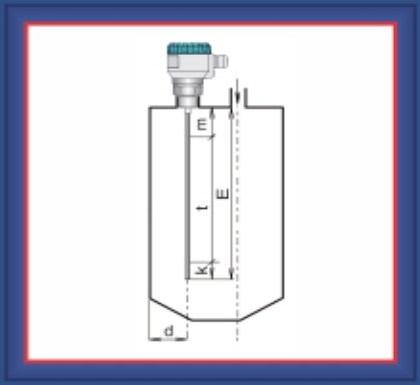
OUR PRODUCTS

TDR RADAR LEVEL TRANSMITTER

Radar level meters with guided wave
(principle TDR)



- Suited to continuous level mesurement of various liquid, mush and bulk-solid materials.
- Universal use, direct mounting into containers, silos, vessels, reservoirs, etc.
- Stainless steel rod or rope electrode
- Measuring range up to 40m
- Linear measurement in non-conductive and in differently shaped containers
- Quick view measured values on the display
- Simple installation and setting
- Current output (4 ... 20 mA), HART® protocol

SPECIFICATIONSI meter

Supply voltage : 8 ... 36 V DC

Output 4 ... 20 mA, HART®
Basic error 1) (for reference reflector) +- 5 mm / ± 3 mm / ± 2 mm

Resolution 1 mm
Maximal length of measuring electrode : 40m

Damping 1 .. 99 s
Warm up time cca 60 s
Internal resistance / Electric strength (Electrode - Housing) 10 kΩ
Coupling capacity / Electric strength (Housing - Supply leads) 5 nF / 500 V AC
Mounting G 1"

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OUR PRODUCTS

ULTRASONIC LEVEL TRANSMITTER

JAYCEEULTRA Ultrasonic level meter is the latest ultrasonic level meter that our company produced, it adopt many advantages from our domestic and overseas market, to achieve all-digital, user-friendly design concept, with a sound structures / Level Control , data transmission and human-machine communication capabilities. We use controller for main chip, digital temperature compensation and ultra-wide input voltage regulator and other dozens of pieces related to ASIC. Has a strong anti-interference, can be arbitrarily set the upper and lower nodes and online output regulation, and with the on-site displays, selectable analog, switching capacity and RS485 output for easy interface with the related facilities. It can meet lots of position measurement requirement but no need to access to industrial media, and thus completely solve the pressure-type, capacitive type, float type, and so brought the traditional measurement of winding, plug, leaking, media corrosion, maintenance and other inconvenient shortcomings.

Features:

Strong, stable sensor suitable for harsh industrial situation; Strong anti-interference, can be arbitrarily set the upper and lower nodes and on-line output regulation; Transducer built-in temperature sensor, to achieve real-time measurement of the value of automatic temperature compensation; Blind spots can also be manually set, shielding the probe near the interference signal; 4 ~ 20MA current output, optional field bus interface.

Applications:

- Water and wastewater treatment.
  Pumping station, collection wells, biochemical reaction tank, sedimentation tanks, etc.
- Electric power, mining
  Mortar pool, coal slurry pond, water treatment, etc.

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OUR PRODUCTS

ELECTROMAGNETIC FLOW METER

Technical Specifications :

Parameters	
Nominal dia (mm)	15 TO 2000
2 Working pressure (kg/cm)	10 TO40
Electrode material	SS316 STANDARD
Sensor lining	HARD RUBBER/PTFE
Display version	INTEGRAL/REMOTE
Measuring tube material	SS304 NON Magnetic
Sensor housing material	CS
End connection	FLANGED/WAFER/SMS
Flange -	Standard
Measuring range	0.2 MTR/SEC TO 12 MTR/SEC
Accuracy % of measured value	0.5
Repeatability	0.2Of Span
Display	2 Line LCD
Output	4 TO 20 madc/ RS485
Protection class for transmitter	IP-67
Cable length for remote	10 Mtrs
Display units	All Standard Engineering Units
Power supply	24 V dc / 80-300 Vac
Protection class for sensor	IP67
Installation	In Line FlangedMounting
Working temperature	Integral PTFE - 120
0	Remote PTFE - 180 C
1	Others -70 C

Option IP 68 for flow tube
in remote type

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OUR PRODUCTS

ELECTROMAGNETIC FLOW METER

Introduction

Insertion Flomweter is a new range of Bipolar Pulsed DC Insertion Type Electromagnetic Flowmeter. It is suitable for pipes with nominal diameters of 100 mm & above. The Flowmeter is based on Faraday's law of Electromagnetic Induction.

It has excellent accuracy and flow rangeability within its class. The meter is suitable for use on wide range of corrosive and aggressive range of conductive liquids.

Salient Features

- Based on Faraday's law of electromagnetic induction.
- Suitable for pipe sizes of diameters 100 mm & above
- With or without Integral Transmitter.
- Use of Isolating Ball Valve and Pressure Seal arrangement permits ease of mechanical Insertion and removal without disturbing the flow
- Absolute zero stability and noise elimination due to pulse D.C. excitation
- Measurement independent of liquid properties
- Optional inbuilt potentiometer provides full scale flow rate adjustments.
- Negligible pressure loss.
- Maintenance free design due to absence of any moving parts.
- Display of flow rate directly in user specified engineering units

Applications

- Water Supply Networks
- Chemical and Process Industries
- Pharmaceutical Industry
- Waste - Water Management
- Sugar, Food and Beverages Idustries
- Effluent Treatment Plants

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OUR PRODUCTS

ULTRASONIC FLOW METER

Salient Features :

- Portability, Compact Size and easy to use
- Non-invasive Clamp-on Technology
- Wide Bi-directional Flow range
- Measurement independent of Fluid properties
- No pipe cutting or process interruption
- No pressure drop, moving parts, leakage or corrosion

Specifications :

Power Supply	:	3 AAA NiMH built-in batteries (12 hours of operation) and 100 - 240 V AC for the Charger
Velocity	:	+_ 12 m/s, Bi-directional
Display	:	4 Lines, 16 Characters LCD with Back light Flow rate, Velocity, Totaliser
Rate / Totaliser Units	:	User Configurable (English and Metric) Gallons, ft3, barrels, lbs, liters, m3, kg
Output	:	4 - 20mA, Pulse, Relay, RS232C or RS485
Accuracy	:	1.0% of reading at rates > 0.5m/s, 0.005 m/s of reading at rates < 0.5m/s
Sensitivity	:	Flow rate: 0.001ft/s (0.0003 m/s)
Repeatability	:	0.2% of reading
Security	:	Keypad lockout, access code enables
Dimensions and Weight	:	100 * 204 * 34 mm Weight: < 0.6 kg
Liquid Types Supported	:	Virtually most any liquid containing less than 2%, Total suspended solids (TSS) or aeration
Liquid Temperature	:	Std. Temp.
Transducer	:	40OC to 121OC
High Temp. Transducer	:	- 40OC to 250OC
Pipe Size	:	S Transducer: 12 - 50 mm
M Transducer	:	40 - 1000 mm
L Transducer	:	1000 - 4570 mm
Transducer Dimensions and Weight	:	Size : 42 * 25 * 25 mm; Weight : < 0.3 kg
M	:	Size : 60 * 43 * 43 mm; Weight : < 0.6 kg
L	:	Size : 80 * 53 * 53 mm; Weight : < 1.0 kg
Portable Case	:	Size : 445*290*130; Weight : < 3.5 kg
Flexible Belts	:	2 Bundles

OUR PRODUCTS

ON LINE MOISTURE SENSOR - FOR MIXERS AND SMALL VESSALS

Hydro-Mix

Flush mount, digital, microwave moisture sensor

The Hydro-Mix is a rugged, microwave moisture measurement sensor designed to be installed flush with the floor of a mixer, chute or conveyor in process control environments.

Reading at 25 times per second and combined with on-board functionality such as signal processing, smoothing and averaging, the Hydro-Mix accurately measures the moisture content of material as it passes over the ceramic faceplate. Remote configuration, calibration, diagnostics and firmware upgrades are simple using Hydronix Hydro-Com software. The linear output allows direct integration with any control system using industry standard interfaces

Construction

Body	:	Stainless Steel
Faceplate	:	Ceramic
Protection Ring	:	Hardened Steel

Moisture Range

The sensor will measure up to saturation of material.

Penetration of Field

Approximately 75-100mm dependant upon material.

Analogue Outputs

Two confi gurable 4-20mA or 0-20mA current loop source available for moisture and
temperature. May also be converted to 0-10V DC.

Digital Inputs/Output

2 confi gurable digital signals available for averaging and alarm functions.

Technical Information

Digital (Serial) Communication Opto-Isolated RS485 2-wire port.
RS232 converter, Ethernet and USB interfaces available.

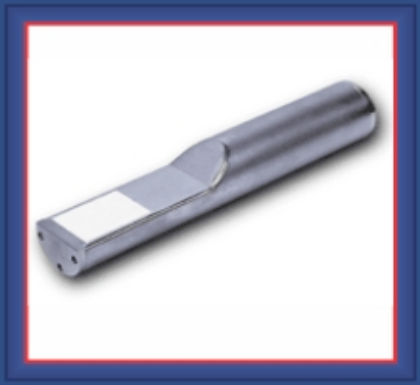
Power Supply

+15V to +30V DC, 4W

OUR PRODUCTS

ON LINE MOISTURE SENSOR - HOPPER AND CONVEYOR

Hydro-Probe



Construction Body: Stainless Steel Faceplate: Ceramic Fixing The sensor must be placed in the fl ow of material. Bins and Silos: Install in the neck of a bin or underneath the gate. Standard and Extension Mounting Sleeves are available to suit different bin widths. Conveyors: Secure in the fl ow of material. Operating Temperature 0-60° C. The sensor will not measure ice. Penetration of Field Approximately 75-100mm dependent upon material. Refresh Rate 25 times per second. Moisture Range The sensor will measure up to saturation of material. Analogue Outputs Two configurable 4-20mA or 0-20mA current loop source available for moisture and temperature. May also be converted to 0-10V DC. Digital Inputs/Output 2 configurable digital signals available for averaging and alarm functions.

Designed for use in processing plants which use bins (silos), chutes and conveyor or feed belts, the sensor is positioned into the flow of material. Measurements are taken 25 times per second as the material passes over or around the sensor face, meaning that the sensor can rapidly detect changes in moisture levels. Real time adjustments to the moisture content of the material can then be made during processing if required. This ensures that the manufacturer can continually produce a consistent, quality product and reduce costs by limiting the amount of wasted or spoilt materials.

The sensor can be installed in a variety of locations where there is a flow of material.

Analogue Outputs

Two confi gurable 4-20mA or 0-20mA current loop source available for moisture and temperature. May also be converted to 0-10V DC.

Digital Inputs/Output

2 confi gurable digital signals available for averaging and alarm functions.

Technical Information

Digital (Serial) Communication Opto-Isolated RS485 2-wire port.

RS232 converter, Ethernet and USB interfaces available. Power Supply +15V to +30V DC, 4W

OUR PRODUCTS

DENSITY GAUGE MEASUREMENT METER

Features :

- High sensitivity allows use of low activity sources
- Built in protection from high count-rates (empty pipe)
- Rugged design, with built in backlit LCD display
- Repeatability 0.0001 SG
- Automatic Gain Stabilization

Specifications :

Source
Source Holder RTI 500mCi / 18.5GBq (Cs-137) source holder

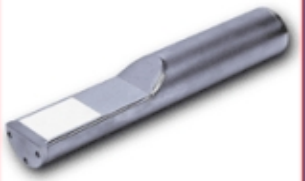
- All stainless steel construction (no lead fi ll)
- Drop tested and fi re proof
- Rotary shutter
- Meets or exceeds internationally accepted safety standards

Also compatible with most third party source holders (contact RTI for further information)
Radioisotope Double encapsulated Cs-137 or Co-60
Detector
Detector Element Sodium Iodide scintillation detector with integral photomultiplier
Electronics All electronics fully integrated into a single module
Housing IP67 316 stainless steel, with stainless steel mounting brackets with multiple mounting arrangements
Power 88-264 VAC single phase, or 24VDC
Data Integrity Radioactive Decay Clock
No data loss with power off
Communications & Control Output: 4-20mA for SG (with separate 24V and 240V connections)
Setup/Control/Calib ration/Diagnostics: iPad® via wireless communications*
(iPad® and Density Gauge App included)
Mod Bus® also available
Display Integral backlit LCD display on Detector Housing:
Displays SG and counts displayed for reference and basic diagnostics
Performance and Environmental
Temperature Drift ± 0.00003 SG units / °C
Operating temperature 0 – 80 °C
Vibration 2.5 g at 100 Hz
Humidity 5% – 95% RH non condensing

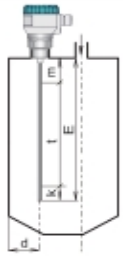
Jaycee Technologies Pvt. Ltd.
ISO 9001-2008 Certified Company

IMAGE GALLERY













CONTACT US

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