



Welcome to AV Measurement & Control(India)



CONTENT OF PRESENTATION

1. Company Profile
2. **DIGMESA** 40 YEARS AG Switzerland – Our Business Partner and Products offered
3. New Launch and Applications of Product
4. Sales and Marketing of Digmesa AG Products



COMPANY PROFILE

Company : AV Measurement & Control(India)
Type of Organisation : Ownership Company
Founder : G.S.Vadnerkar (Business Head & Owner)
Established : April 16th, 2003



PROFILE & EXPERIENCE OF FOUNDER

Mr. G.S.Vadnerkar (Business Head & Owner)

Qualifications : Diploma -Electrical Engineer

Past Experiences :

Signete Electronics Pvt Ltd, Mumbai

Period: 1980-1989

Yokogawa India, Mumbai –Western Region

Period: 1989-2003



PROFILE & EXPERIENCE OF FOUNDER

Signet Electronics Pvt Ltd, Mumbai

Position

Started as Trainee Engineer and last position in Signet Electronics as a Sr. Engineer profile Testing Dept. Sales and Applications

Products

Test & Measuring Instruments

Analogue and Digital Oscilloscope

OEM products for Philips India TV Sweep Generator Module

AM-FM Spot Frequency Generator and Customized Solutions



PROFILE & EXPERIENCE OF FOUNDER

Yokogawa India Ltd – Western Region

Position

Worked as Sr. Engineer and last position in Yokogawa India as Executive Manager Product Sales Department

Products

Test and Calibration Instruments

Recorders, DAS and Controllers

Field Instruments

Test Bench Projects



DIGMESA AG SWITZERLAND COMPANY PROFILE

The company: A Swiss Company founded by Heinz Pluss,
Core competence in development- manufacturing
and sales of liquid flow meters in small and micro flow range

Establishment: 1983

Locations: Keltenstr 31, 2563 Ipsach

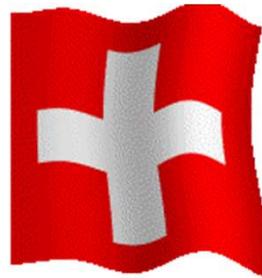
Number of employees: Approx. 70

Digmaesa stands for Quality-Innovation-Competence





Welcome to Swiss Precision Flow Sensors



By

Digma AG



BRIEF OF FLOW SENSORS

FHK

Enterprises: SAB Miller ZA, Steris, Miwe.....



FHKU



Monitoring and measuring of flow rates

Dosing of chemicals

Semiconductor industry in CMP machines and photo resist process(UHP)

BRIEF OF FLOW SENSORS

FHKSC

Enterprises: Miele, Melag, CCD(Cafe Coffee Day), Meiko.....



World leader in the household coffee machine field and manufacturer with more than 10 Mio. Pieces FHKSC per year

Suitable for all kinds of applications (coffee machines, steamers, drink dispensers etc.) – Cost effective – Reliable – Easy to Integrate

BRIEF OF FLOW SENSORS

FF

Enterprises: BrauUnion(Beer), Brunimat(Milk), GF/Signet(Chemical Piping).....



Mostly preferred for Beer and Drinks
Automated Dispensing Systems
Low maintenance units



BRIEF OF FLOW SENSORS

EPI

Enterprises: Steris(PEEK), Pepsi.....



For higher viscous and creamy liquids

Suitable for food (Arnite material)–ketchup, syrup, oil, soapy cleaning solvents)

Housing material PEEK- used for special chemical applications



BRIEF OF FLOW SENSORS

FM

Enterprises: BWT, BRITA, EVERPURE.....



Ideal for measuring flow rates during continuous operation in bottling plants, welding robots and laser cooling systems

High precision obtained by using multijet measurement technique, large measurement range and low pressure loss



BRIEF OF FLOW SENSORS

FH

Enterprises: Costa Coffee, CCD(Café Coffee Day), Starbucks



Used in Professional Coffee Machines

Green brass(lead free brass) housing, approved by NSF

High pressure resistance up to 20bar with high durability

BRIEF OF FLOW SENSORS



FLOW METER SONIC



The Ultrasonic Measurement Technology used in this flow sensor is based on measuring the speed of sound in the flowing medium.

The shape of the measurement chamber allows nearly straight, undisturbed flow and is easy to clean.

This device is capable of covering large measurement range(0.5 to 20l/min)

BRIEF OF FLOW SENSORS

NANO BRASS AND STAINLESS STEEL



Nano Brass is the successor of the Flow Meter FH

It can withstand tough conditions in Professional Espresso Machines

It is very compact lead-free brass housing and sealed electronics



BRIEF OF FLOW SENSORS

NANO



Specially designed for capsule coffee machines that use vibration pumps

It is more compact and provides better performance for shipping and storage than its predecessor FHKSC model



NEW LAUNCH FLOW SENSOR

NANO BRASS AVS



It is very cost effective perfectly tailored to fulfill demands of professional coffee machine manufacturers.

It is very compact lead free brass housing and sealed electronics designed to be successor of proven FH model.



NEW LAUNCH FLOW SENSOR

NANO FLEX



It's compact and modular design for flexible project-integration and cost effective with flexible installation position

It is available in various materials to suit the desired application for contact with drinking water.



NEW LAUNCH FLOW SENSOR

EPI-MINI



It enables measurement of medias with wide viscosity range under changing temperature conditions and works for diverse purposes.

It is compact and lightweight design with high resolution and chemical resistance to common detergents and disinfectants.



NEW LAUNCH FLOW SENSOR

FLOW SENSOR COMBISENSOR



It is new and unique flow measurement sensor

It is combination of three measures – conductivity, temperature and flow rate

APPLICATIONS OF FLOW SENSOR

MICROBREWERY



APPLICATIONS OF FLOW SENSOR

MICROBREWERY

FF Flow Sensor



Classic line FF provides an outstanding solution when connected in series for simultaneous beer dispensing. **It was first flow sensor in Germany to obtain SK certification for beer and is now a top seller.** It can be opened without any tools for easy cleaning. The version with a jewel bearing allows the mounting position to be chosen freely. Moreover with the optional integrated foam probe, it measures only the actual amount of liquid that has been transferred, this prevents errors caused by carbonated gas when the line is empty and is also suitable for dairy products.



FHKU Flow Sensor

The FHKU flow meter is a versatile device that can be used in many applications such as foodstuffs, chemical, industrial and semiconductor sectors. This flow sensor is available in many different configurations and can easily be adapted to meet special customer requirements. The newly developed ceramic bearing is also suitable for applications requiring continuous day and night operation.

APPLICATIONS OF FLOW SENSOR

MICROBREWERY

Ultrasonic Flow Sensor



The innovative design of Ultrasonic flow meter is used for the measurement section with a straight flow path, the device generates little turbulence and no additional pressure loss, with no moving parts, the devices are wear and maintenance free. Maximum precision, good repeatability and fast response times are other important properties. The devices are used wherever liquids have to be measured and recorded with great accuracy. Applications include process monitoring in the semiconductor industry, dosing of highly aggressive chemicals in flow reactors and controlling of drinks dispensing systems.

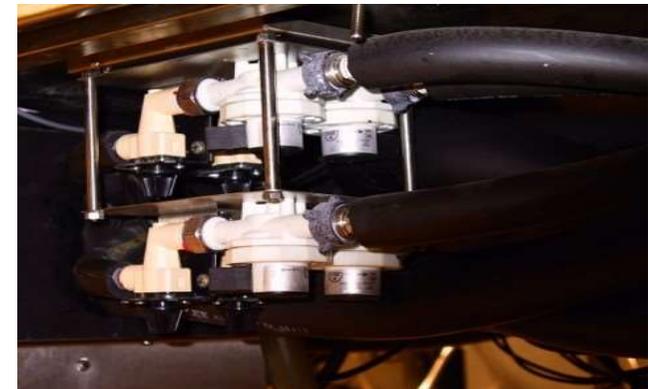


FHKSC Flow Sensor

The FHKSC flow sensor is suited for applications requiring good quality having light weight design and flexible choice of connection position perfectly match manufacturers requirements. This flow sensor is also extremely reliable and it has return rate of practically zero.

APPLICATIONS OF FLOW SENSOR

MICROBREWERY



APPLICATIONS OF FLOW SENSOR

HIGHLY VISCOUS MEDIA



APPLICATIONS OF FLOW SENSOR

HIGHLY VISCOUS MEDIA



EPI Flow Sensor

EPI Flow sensor signal output is TTL i.e. Digital Output most suitable sensor for IOT Application.

For measurement of fluid quantities of higher viscose media such as cola syrup, oil or concentrated detergent.

Due to its special construction and its epicycloid leaves, the EPI flow sensors is highly accurate and enables most precise quantity metering of dosing, mixing of syrup liquid with the least amount of pressure loss.

According to the material selected, it can be employed both in the food sector as well as for aggressive media for e.g. in chemicals.

APPLICATIONS OF FLOW SENSOR

WATER FILTRATION



APPLICATIONS OF FLOW SENSOR

WATER FILTRATION

FHKU AND FHK FLOW SENSOR



FHKU and FHK Flow sensor signal output is TTL i.e. Digital Output most suitable sensor for IOT Application.

Monitoring and measuring of flow rates, Swiss Quality assurance.

Available in high resistant material, used in the semiconductor industry in CMP machines and photoresist process(UHP).

Provides easy and convenient visual control, reads actual flow, total flow, count up, count down, timer signal.

The FHKU Flow sensor finds universal application. It was developed specially for higher out puts of up to approx. 30l/min. Thanks to differing lower sections and to jets that can be pressed in, it also measures in the lower range with the highest accuracy. For this model series, upper and lower sections can likewise be freely selected, so as to provide optimum satisfaction of customer requirements.

APPLICATIONS OF FLOW SENSOR

WATER FILTRATION

FHKU AND FHK FLOW SENSOR



The FHK Flow sensor finds universal application. It measures with constant precision and guarantees the most exact fluid measurements.

The electronic pulse generator integrated into the food-flow sensor guarantees in addition a practically unlimited serviceable life.

The two versions(FHKU and FHK) differ in position of their connections. In FHK they are side by side, while in FHKU they are opposite each other.

Thanks to an extremely precise injection moulding technique, the upper and lower parts can be freely assembled, thus finding the optimum solution for every application.

APPLICATIONS OF FLOW SENSOR

WATER FILTRATION

COMBISENSOR FLOW SENSOR



It is Digmesa's new and unique flow measurement sensor which combines three measurements i.e. Conductivity, Temperature and Flow.

It calculates temperature compensation of the conductivity value based on the measured temperature and compensation factor 2.25% per °C. The conductivity measurement value is therefore temperature compensated. Combi sensor digital comes with RS-485 Interface , the configuration of Combi sensor can be modifies with standard MODBUS functions.

This device is adequately used in water filter industry (e.g. compact RO equipment)

APPLICATIONS OF FLOW SENSOR

COFFEE VENDING MACHINE



APPLICATIONS OF FLOW SENSOR

COFFEE VENDING MACHINE

FH, FHKSC, NANO BRASS, NANO STAINLESS STEEL AND NANO FLOW SENSOR

FHKSC is perfectly suited for applications requiring good quality at an attractive price in coffee machines for home use. It is installed on the pump's suction side, due to its light weight design and flexible choice of connection position perfectly match manufacturer's requirements. It is vastly used in drink dispensers, chemicals , wine



FH is a fine art in Coffee Brewing especially when a consistent quality level is to be attained. As only high quality materials are used in professional coffee machines, FH flow sensor meets even the most exacting standards, made of solid lead free brass which provides dependable service for many years even under extreme conditions encountered in professional machines. It is also used in commercial ovens/bakery ovens.





APPLICATIONS OF FLOW SENSOR

COFFEE VENDING MACHINE

FH, FHKSC, NANO BRASS, NANO STAINLESS STEEL AND NANO FLOW SENSOR

Nano Brass and Nano Stainless Steel is very cost effective sensor device perfectly tailored to fulfill the highest demands of professional coffee machine manufacturers. Its solid, very compact lead free brass housing and sealed electronics and is designed to be successor of proven FH flow sensor.



Nano flow sensor with its compact and price optimized design offers perfect solution for use in household coffee machines. Its unique feature distinguishes it from all competing products is the flexibility to choose the desired spatial arrangement. Its reliability makes it more valuable than competing products.





KEY CUSTOMERS LIST



IntasPharmaceuticals Ltd -
[Biopharma Division](#)



L&T-MHI Power Turbine Generators Pvt. Ltd



VNG MEDICAL
INNOVATION SYSTEM PVT LTD





KEY CUSTOMERS LIST



Banswara Syntex Limited

Textile Industries Association in Coimbatore





KEY CUSTOMERS LIST



.....Many More Customers

Sales and Marketing of Principle Products



Microbrewery



India International Coffee Show-Bangalore



International Exhibition-Netherland



India International Coffee Show- Bangalore



International Exhibition-Netherland



Flow Meter Production- Digimesa



Free Seminar on Digmesa AG Flow Sensor

TOPICS

Introduction for Basic Principle for Liquid Flow Measurement

Products Introduction of Digmesa AG Flow Sensor

FHK, FHKU, FHKSC

FF, EPI, FM

Nano, FH, Ultrasonic

FAQ on Applications on Flow Sensors



Free Seminar on Digmesa AG Flow Sensor

CONTACT US

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Free Seminar on Digmesa AG Flow Sensor

AUDIENCE PROFILE

Coffee Vending – Professional and Capsule Coffee Vending Machine....

Viscous Liquids- Ketchup, Oil, Honey, Syrup...

Water Purifier - Soft Drink, Cooling System, Dosing and Welding....

Semi Conductor Industries – Different sectors such as communications, transportation, manufacturing and energy production.



Thank You For Your Attention!!