



ControlTech
Automation

Absolute Solution
Process Automation...

LEVEL



TEMPERATURE



FLOW

ANALYTICAL

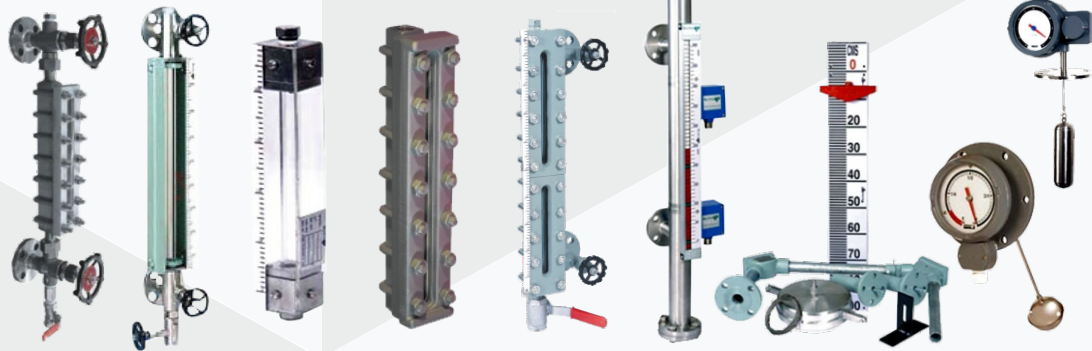




Pune Techtrol Pvt Ltd
An ISO 9001 : 2008 Company

LEVEL GAUGES FOR LIQUIDS

- Tubular
- Mini Tubular
- Transparent
- Reflex
- Magnetic Bicolor Flapper
Follower Magnet Switching
/ Transmitting
- Float & Board
- Float Dial
- Magnetic Float Operated Dial
etc...



LEVEL SWITCHES FOR LIQUIDS

- Float, Guided, Pivoted,
Tilt, Bilge
- Displacer
- Conductivity
- Capacitance
- Diaphragm
- Vibrating Fork
etc...



LEVEL SWITCHES FOR GRAINS & SOLIDS

- Paddle
- RF Admittance
- Vibrating, Fork, Rod
Diamond Blade



ULTRASONIC & RADAR LEVEL CONTROL OF LIQUIDS & SOLIDS

- Ultrasonic (Non-Contact) • Radar (TDR & FMCW)



TRANSMITTERS FOR LIQUIDS

- Float
- Capacitance
- Displacer LVDT
- Displacer
Torque Tube
- Submersible
- Display Unit



WATER INGRESS DETECTION SYSTEM FOR BULK CARRIERS



EXTERNAL CHAMBERS FOR BUOYANCY & RADAR INSTRUMENTS

- Side Mounted • Top Mounted



Innovating Level Controls Since 1984...



WAVETEK ELECTRONICS

Solutions Through Engineered Products



Integral with Flow Indicator/Totalizer

ELECTROMAGNETIC FLOW METERS



Insertion type



Paddle type



Flow Indicator / Totalizer

ANALYTICAL INSTRUMENTS



Online pH Meter



ORP Meter



Lab pH Meter



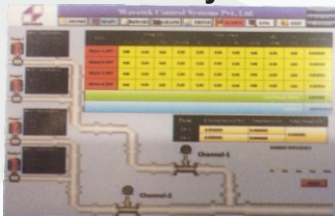
TDS Meter



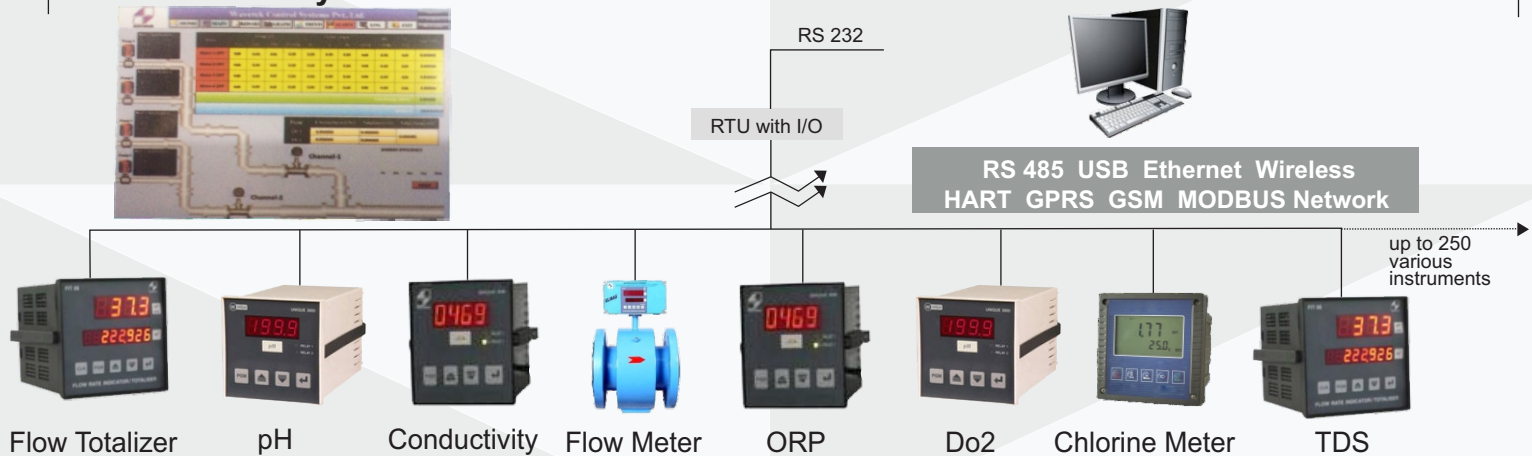
Online Conductivity Meter

ON-Line Data Logging

SCADA System



Typical Data Logging Network Diagram



Off-Line Data Logging

Off-Line Data Logging (with Flash Drives) Model : FIT06-FD

The realtime readings are measured & stored in a USB flash-drive (Pen Drive). Inbuilt realtime clock provided.



Solution Through Engineered products...

EUREKA

ENGINEERING ENTERPRISES

TEMPERATURE SENSING SYSTEMS

THERMOCOUPLES – Cu/CONST(T), Fe/KO(E), Cr/AL(K), NIKROSIL/NISIL(N), Pt/Pt RH-10%(S), 13%(R), 30%(B)

Rigid & Flexible
Constructions with
Ceramic or Mineral
insulation, in various
Moc's and Configurations,
with Epoxy Potted
Termination, Quick
Disconnect plugs
and IP 65 & Gr IIA
& IIB,
Ex-proof Enclosures



RESISTANCE THERMOMETERS (RTD's) – PT-100, 200, 500 & 1000 (DIN IEC 751)

Rigid & Flexible
Constructions with
Ceramic or Mineral
insulation, in various
Moc's and Configurations,
with Epoxy Potted
Termination, Quick
Disconnect plugs
and IP 65 & Gr IIA
& IIB,
Ex-proof Enclosures



THERMOWELLS – FABRICATED & BAR STOCK (PTC 19.3 TW – 2010 STANDARDS), WITH OPTION OF IBR APPROVED

Rigid & Flexible
Constructions with
Ceramic or Mineral
insulation, in various
Moc's and Configurations,
with Epoxy Potted
Termination, Quick
Disconnect plugs
and IP 65 & Gr IIA
& IIB,
Ex-proof Enclosures



TEMPERATURE INDICATORS

Panel Mount

Flame Proof

Big Display

Multi Channel

Portable



NON CONTACT PYROMETER



TEMPERATURE

Controller

PID Controller

Scanner

Transmitter



Eureka...Sensing temperature since 1982...



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PORTABLE TDS METER-111



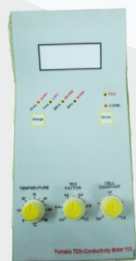
Range : 0 to 1999 PPM, 0 TO 19.99 PPT
Accuracy : $\pm 1\%$ of F.S.
Resolution : 1 PPM
Sensor : 1.0CC Cell (Dip type)
Display : 3 $\frac{1}{2}$ digits LCD
Power : One 9 V Battery
(Duracell 6LR61 or equivalent)
Dimensions : 55 (max) x 92 x 195 (H x W x D)

PORTABLE TDS METER-112



Range : 0 to 1999 μ S, 0 TO 19.99 ms
Accuracy : $\pm 1\%$ of F.S.
Resolution : 1 μ S
Sensor : 1.0CC Cell (Dip type)
Display : 3 $\frac{1}{2}$ digits LCD
Power : One 9 V Battery
(Duracell 6LR61 or equivalent)
Dimensions : 55 (max) x 92 x 195 (H x W x D)

PORTABLE TDS + CONDUCTIVITY METER-113



Range : TDS : 0 to 1999 PPM, 0 TO 19.99 PPT
Conductivity 0 to 1999 μ S, 0 to 19.99ms
Accuracy : $\pm 1\%$ of F.S.
Resolution : TDS : 1 PPM Conductivity 1 μ S
Sensor : 1.0CC Cell (Dip type)
Display : 3 $\frac{1}{2}$ digits LCD
Power : One 9 V Battery
(Duracell 6LR61 or equivalent)
Dimensions : 55 (max) x 92 x 195 (H x W x D)

DIGITAL TDS METER-114



Range : 0 to 1999 PPM, 0 TO 19.99 PPT
Accuracy : $\pm 1\%$ of F.S.
Resolution : 1 PPM
Sensor : 1.0CC Cell (Dip type)
Display : 3 $\frac{1}{2}$ digits LCD
Power : One 9 V Battery
(Duracell 6LR61 or equivalent)
Dimensions : 55 (max) x 92 x 195 (H x W x D)

DIGITAL CONDUCTIVITY METER-115



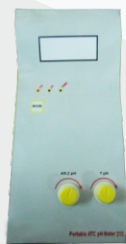
Conductivity: 0 to 20 Mho or ms
Range
Accuracy : $\pm 1\%$ of F.S. in all ranges ± 1 count
Conductivity: Approx. 1.0 Cell Constant
Cell
Cell Const. : 0.9 to 1.1
Compensation
Display : 3 $\frac{1}{2}$ digits LCD with auto polarity
Power : 230 Vac $\pm 10\%$, 50Hz
Dimensions : 80 (max) x 238 x 205 (H x W x D)
(mm)

PORTABLE PH METER-211



Range : 0 to 14 pH
Accuracy : $\pm 1\%$ of F.S.
Resolution : 0.01 pH
Repeatability : 0.01 pH ± 1 Digit
Standardization: 2 Point Calibration
Temp. : 0 to 100° C - Manual
Compensation
Display : 3 $\frac{1}{2}$ digits LCD
Power : One 9 V Battery
(Duracell 6LR61 or equivalent)
Dimensions : 55 (max) x 92 x 195 (H x W x D)

PORTABLE ATC pH METER-212



Range : 0 to 14 pH
Accuracy : $\pm 1\%$ of F.S.
Resolution : 0.01 pH
Repeatability : 0.01 pH ± 1 Digit
Standardization: 2 Point Calibration
Temp. : 0 to 99.99° C - Auto using PT-100
Compensation
Display : 3 $\frac{1}{2}$ digits LCD
Power : One 9 V Battery
(Duracell 6LR61 or equivalent)
Dimensions : 55 (max) x 92 x 195 (H x W x D)

DIGITAL PH METER-213



pH Range : 0 to 14 pH
Mv Range : 0 to 1999 ± 1 mv
Temp. Range : 0 to 100° C
Resolution : 0.01 pH, 1 mv
Repeatability : 0.01 pH ± 1 Digit, 1 mv ± 1 Digit
Standardization: 2 Point Calibration
Temp. : 0 to 100 Degree - Manual
Compensation
Display : 3 $\frac{1}{2}$ digits LCD with auto Polarity
Power : 230 Vac $\pm 10\%$, 50 Hz
Dimensions : 80 (max) x 238 x 205 (H x W x D)

DIGITAL ATC pH METER-214



pH Range : 0 to 14 pH
Mv Range : 0 to 1999 ± 1 mv
Temp. Range : 0 to 100° C
Resolution : 0.01 pH, 1 mv
Repeatability : 0.01 pH ± 1 Digit, 1 mv ± 1 Digit
Standardization: 2 Point Calibration
Temp. : 0 to 100 Degree - Automatic
Compensation : as well as Manual
Display : 3 $\frac{1}{2}$ digits LCD with auto Polarity
Power : 230 Vac $\pm 10\%$, 50 Hz
Dimensions : 80 (max) x 238 x 205 (H x W x D)

MICROCONTROLLER PH METER-215



pH Range : 0 to 14 pH
Mv Range : 0 to 1999 ± 1 mv
Temp. Range : 0 to 100° C
Resolution : 0.01 pH, 1 mv, 0.1 Degree
Repeatability : 0.01 pH ± 1 Digit, 1 mv ± 1 Digit
Standardization: 2 or 3 Point Calibration
Temp. : 0 to 100 Degree - Automatic
Compensation : as well as Manual Mode
Display : Two 3 $\frac{1}{2}$ digits LCD for pH & Temp.
Power : 230 Vac $\pm 10\%$, 50 Hz
Dimensions : 110 (max) x 225 x 125 (H x W x D)



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MICRO CONTROLLER PH METER-216



pH Range	: 0 to 14 pH
Mv Range	: 0 to 1999 ± 1 mv
Temp. Range	: 0 to 100° C
Resolution	: 0.01 pH, 1 mv, 0.1 Degree
Repeatability	: 0.01 pH ± 1 Digit, 1 mv ± 1 Digit
Standardization	: 2 or 3 Point Calibration
Temp.	: 0 to 100 Degree - Automatic
Compensation	: as well as Manual Mode
Display	: 20x4 Alphanumeric LCD Display
Power	: 230 Vac ± 10%, 50 Hz
Dimensions	: 80 (max) x 238 x 205 (H x W x D)

MICRO CONTROLLER PH METER-217



pH Range	: 0 to 14 pH
Mv Range	: 0 to 1999 ± 1 mv
Temp. Range	: 0 to 100° C
Resolution	: 0.01 pH, 1 mv, 0.1 Degree
Repeatability	: 0.005 pH ± 1 Digit, 1 mv ± 1 Digit
Standardization	: 2 or 3 Point Calibration
Temp.	: 0 to 100 Degree - Automatic
Compensation	: as well as Manual Mode
Display	: 20x4 Alphanumeric LCD Display
Power	: 230 Vac ± 10%, 50 Hz
Dimensions	: 80 (max) x 238 x 205 (H x W x D)

WATER ANALYSIS KIT 1001

Includes pH, MV, Temperature, Conductivity, TDS, Dissolved Oxygen Meters

WATER ANALYSIS KIT 1002

Includes pH, MV, Temperature, Conductivity, TDS, Dissolved Oxygen Colory, Turbidity Meters



ONLINE PH METER



pH Range	: 0 to 14 pH
Accuracy	: ± 1 % of F.S.
Temp. Range	: 0° C
Resolution	: pH : 0.01 pH
Repeatability	: 0.01 pH ± 1 Digit,
Standardization	: 2 or 3 Point Calibration
Temp. Sensing	: PT-100 Temperature Probe
Temp.	: 0-99.9° C Automatic
Compensation	: as well as Manual Mode
Display	: Two 3 1/2 Digits LED For pH & Temp.
Power	: 230 Vac ± 10%, 50 Hz
Set Value	: 2 Set Values along with hysteresis
Output	: 5 Amp 1 C/O, 1 Relay/2 Relays
Dimensions	: 96 (max) x 96 x 130 (H x W x D)

DIGITAL COLORY METER-411 & 411E



Filters &	: 8 Filters (411), 5 Filters (411E)
Wavelength	: - 400 to 700 nm
Light Source	: Latest LED Technology
Detector	: Photo Cell / Photo Diode
Resolution	: 1 % in %T mode & 0.01 in ABS mode
Solution Vol.	: 2 ml (minimum)
Display	: 2 1/2 Digits LCD DPM directly Calibrated for %T & O.D.
Power	: 230 Vac ± 10%, 50 Hz
Dimensions	: 130 (max) x 150 x 275 (H x W x D)

MICRO CONTROLLER COLORY METER-412 & 412E



Filters &	: 8 Filters (411), 5 Filters (411E)
Wavelength	: - 400 to 700 nm
Light Source	: Latest LED Technology
Detector	: Photo Cell / Photo Diode
Resolution	: 1% in %T mode & 0.01 in ABS mode
Solution Vol.	: 2 ml (minimum)
Display	: 3 1/2 Digits LCD DPM
Power	: 230 Vac ± 10%, 50 Hz
Dimensions	: 130 (max) x 150 x 275 (H x W x D)

MICRO CONTROLLER TURBIDITY METER-512



NTU Range	: 0-1, 0-10, 0-100, 0-500
Accuracy	: ± 2% of F.S. in 0-1 & 0-500 NTU Range ± 1% of F.S. in 0-10 & 0-100 NTU Range
Light Source	: Latest LED Technology
Detector	: Photo Cell / Photo Diode
Reproducibility	: Within 3% of F.S.
Calibration	: With Formazine std Solution
Display	: 20 x 4 Alphanumeric LCD Display
Power	: 230 Vac ± 10%, 50 Hz
Dimensions	: 130 (max) x 150 x 275 (H x W x D)

LEAK TEST APPERATUS



Body Material	: S.S. 316
Operation	: Semi - Automatic
Set - Up	: Programmable - 1 to 999 sec
Hold Time	: Programmable - 1 to 9999 sec
Vacuum Read	: Pneumatic Gauge
Display	: 20 x 4 Alphanumeric LCD
Desiccators	: 150mm/200mm/300mm Dia. (Optional)
Power	: 230 Vac ± 10%, 50 Hz
Dimensions	: 180 (max) x 320 x 400 (HxWxD)



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