
GILSON ENGINEERING

WASTEWATER TREATMENT



Instrumentation and control products for wastewater plants...

PITTSBURGH, PA

535 Rochester Road
Pittsburgh, PA 15237
p (412) 369-0100
f (412) 366-1728

COLUMBUS, OH

2697 Sawbury Blvd
Columbus, OH 43235
p (614) 889-2150
f (614) 889-6038

CLEVELAND, OH

4660 Main Hill Drive
Seven Hills, OH 44131
p (440) 543-0300
f (440) 543-1230

CINCINNATI, OH

10984 Main Street #1
Cincinnati, OH 45241
p 800-860-4499
f (412) 348-3042

CHARLESTON, WV

3501 MacCorkle Ave SE #143
Charleston, WV 25302
p (304) 342-0012
f (304) 342-0085

TOLEDO, OH

26953 Mingo Drive
Perrysburg, OH 43551
p (419) 874-1178
f (419) 874-5333

LOUISVILLE, KY

2149 Winston Avenue
Louisville, KY 40205
p 800-860-4499
f 412-348-3042

Michigan, OH

3069 Biber St, Apt 06
East Lansing, MI 48823
p 248-417-1102

ORLANDO, FL

144 Harston Ct
Heathrow, FL 32746
p (407) 444-0334
f (407) 444-0335

TAMPA, FL

6329 Knob Tree Drive
Lithia, FL 33547
p 800-860-4499
f (407)444-0335

MIAMI, FL

1155 97th St #201
Bay Harbor Is, FL 33154
p 800-860-4499
f (407)444-0335

JACKSONVILLE, FL

12369 Burgess Hill Drive
Jacksonville, FL 32246
p 800-860-4499
f (407)444-0335

From Lift Station To Final Effluent

Lift Station

Level –

Ultrasonic - Siemens Milltronics, [HydroRanger200-HMI](#), [LUT420](#)

Radar –Siemens Milltronics [LR100](#), [Probe LR](#), [LR200](#), [LR250](#)

Submersible Level Transducers – [GES 870XXX](#)

Influent/Effluent Flow Monitoring –

Open Channel Influent Flowmeters – Siemens [HydroRanger200-HMI](#), [LUT430](#)

Magnetic Flowmeters – [Siemens Mag5100W](#) and [Mag5000](#)

Siemens Clamp-On Flowmeters [FS220](#) and [FS230](#)

Wet Well Gas Detection –

Toxic/Combustible Gas Monitoring – MSA [UltimaX](#), [X5000](#), [Trigas](#), [Trigard](#),

Portable Gas Monitoring – [MSA Altair4XR](#)

Data Acquisition Systems – [Moore Industries NCS](#), [GR Series Recorders](#)

Cellular Monitoring – [Omnisite Crystalball/XR50](#)

Wireless— [Elpro Radio](#), [Banner Radio](#)

Panel Indicators/Displays - [Precision Digital](#)

Pressure Switches - [ITT Neo Dyn](#)

Pressure Transmitters – [Siemens DSIII](#)

Flow/Level Recorders – [GR Series Recorders](#)



Bar Screen/Mechanical Screen

Open Channel Influent Flowmeters –

[HydroRanger200-HMI](#)

Automatic Bar Screen Control –

Siemens-Milltronics [HydroRanger200-HMI, LR100](#)

Headworks Building Gas Monitoring –

MSA [UltimaX, X5000](#),

Differential Level Display – Precision Digital [PD6060](#)



Grit Handling

Gas Detection – MSA [UltimaX, X5000](#),

Level Control – Siemens Ultrasonic and Radar

Flow – Siemens [Siemens Mag5100W](#) and [FS230](#)

Air Flow (Aerated Grit Chambers) – FCI [ST50](#)

Clarifiers`

Sludge Level –Entech [Echosmart](#)

Sludge Flow –[Siemens Mag5100W](#),

Siemens Clamp-On [FS230](#)

Supernatant –[Siemens Mag5100W](#),

Siemens Clamp-On [FS230](#)



Sludge Digestion/Sludge Thickening

WAS Flowmeter – Siemens-Milltronics

Sludge Density – [Rhosonics](#) or [TN](#)

Odor Monitoring – MSA [UltimaX](#) and [X5000](#)

Digester Flow – FCI [ST51](#)

Seal Water to Pumps – [Universal Flow](#), [FCI](#)

Aeration Basin



Air Flowmeters – FCI [ST50](#)
**Dissolved Oxygen Monitors – [ECD](#),
[Insite-IG](#)**
**Suspended Solid Monitors – [ECD](#),
[Insite-IG](#)**
Return Activated Sludge Flowmeters
**– [Siemens Mag5100W](#), Siemens
Clamp-on [FS230](#)**

Anaerobic Digester

Gas Detection –MSA [UltimaX](#) and [X5000](#),
(Combustibles, H₂S)
Digester Gas Flowmeter – FCI [ST51](#)
Level –Siemens [LR200](#), [Siemens DSIII](#)
Pressure transmitter with remote seals
**Temperature –Siemens [TS500](#), Moore
Industries [RTI](#)**
Flow –[Siemens Mag5100W](#) and [Mag5000](#)



Disinfection

Chlorine Gas Detection – MSA [UltimaX](#) or [X5000](#)
Level –Siemens [LUT420](#) (remote) or [LU240](#) (integral)
ORP – [ECD](#)
Sodium Hypochlorite Flowmeter –Siemens [Mag3100](#) and [Mag1100](#)

Final Effluent Monitoring

Open Channel Flowmeter – Siemens-[LUT420](#),
[HydroRanger200-HMI](#)

Magmeter – [Siemens Mag5100W](#)

Dissolved Oxygen –[ECD](#) or [Insite-IG](#)

Suspended Solids – [ECD](#) or [Insite-IG](#)

pH Monitoring – [ECD](#)

Temperature – Siemens TS500 or Moore
Industries [RTI](#)

Flow Recorders – [GR Series Recorders](#)



Chemical Storage/Chemical Mixing

Continuous Tank Level –Siemens-Milltronics [LR100](#), [LR250FEA](#), [LUT420](#)

High Level/Low Level Alarming –Siemens-Milltronics [CLS200](#), FCI

Storage Area Gas Monitoring - [UltimaX](#), [X5000](#)

Portable Gas Monitoring - [MSA Altair4XR](#)

Chemical Additive Flowmetering – Siemens [Mag1100](#), Signet, Universal Flow

Conductivity Meters – [ECD](#), Signet

Chemical Injection/Mixing – [Jordan Valve](#)

Secondary Water –Siemens, Signet, Universal Flow

Plastic Valves – [Signet](#)