



Pressure Measurement Technology Water & Wastewater



AMETEK[®]
PMT PRODUCTS

Level Mate III

The customized LEVEL MATE III level system display meter provides excitation voltage to and displays data from the transducer. It also transmits a 4-20 mA analog signal (optional meter output) for remote recording, alarm or control functions. It is factory programmed but may be easily programmed in the field via front panel buttons. With an optional Serial Communication Adaptor Module the user can configure, monitor and datalog from a PC with free software available for download at www.ametekusg.com. The large easy to read dual line LED display provides local indication while the optional isolated analog output can interface with ancillary display, recording or control devices. The meter comes with 2 standard 3A Form C relays (SPDT) and also provides alternating pump control. Non-linear input signals can be linearized using built-in math functions such as: square root extractor, round tank linearizer or general purpose 32 point linearizer.

- Complete System of sensor, cable, and meter in housing
- Microprocessor-controlled meter for quick, easy setup and calibration
- Compact NEMA 4X weathertight housing
- Selectable setup via front keys
- Programmable setpoints
- Meter can be calibrated at the factory for inches of water, feet of water, meters of water, or any desired engineering units
- Large, easy-to-read dual LED displays



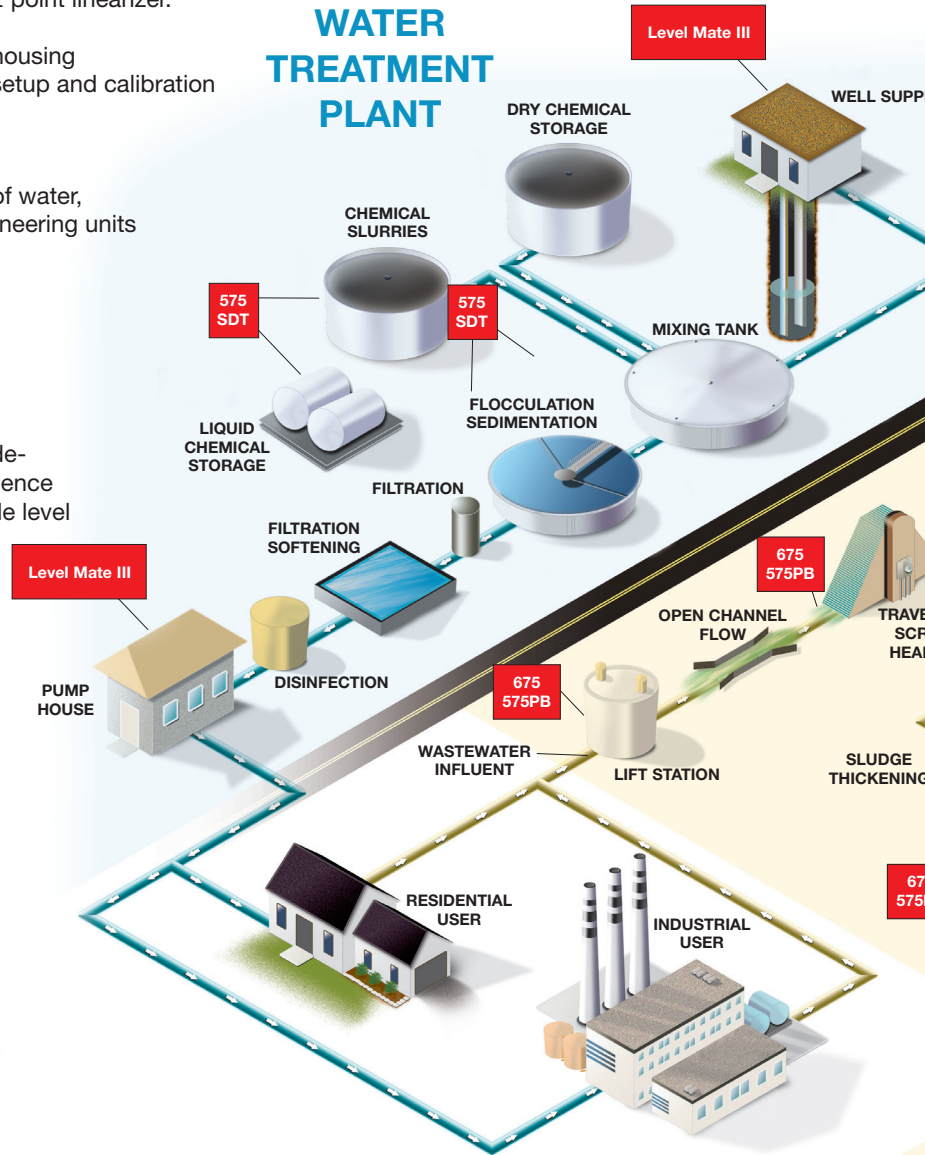
Model 375

The Model 375 Series Level Transmitter is specially designed to provide the convenience of direct submergence in many types of liquid for quick, accurate and reliable level measurement. The simple design and rugged construction of this solid state instrument provide long-lasting service with virtually no maintenance. 4-20 mA output is standard.

- 316 SS housing and a removable, non-clogging snubnose end protects sensing elements
- Vented to atmosphere through the surface end of the cable with desiccant included
- Excellent accuracy, $\pm 1.0\%$ of full scale
- Reverse polarity and surge protected
- Cable support bracket for extra support at depths up to 2500 feet or in agitated liquid
- Potted internal sensor and cable termination to minimize moisture intrusion



WATER TREATMENT PLANT



Model 575

The Model 575 Series Level Transmitter is specifically designed to provide the convenience of direct submergence in many types of liquid for quick, accurate and reliable level measurement. The simple design and rugged construction of this solid state instrument provide long lasting service with virtually no maintenance.

- Rated CSA intrinsically safe (with approved barrier)
- All 316L SS sensor with SS isolation diaphragm, Hastelloy-C diaphragm optional $\pm 0.25\%$ full scale accuracy
- Custom ranges up to 690 feet of water (0-300 psi)
- 4-20mA output standard
- Also available in wastewater version, Model 575 PB (or Model 675 discussed on next page)



Model 675

The Model 675 is specifically designed for slurry and highly viscous applications where clogging of the sensor area is common. The Model 675 uses a 3.5" diaphragm to prevent unwanted clogging of the sensing area. This submersible level device is made of 316L SS which offers outstanding environmental protection and is available in depths up to 110 feet of water.

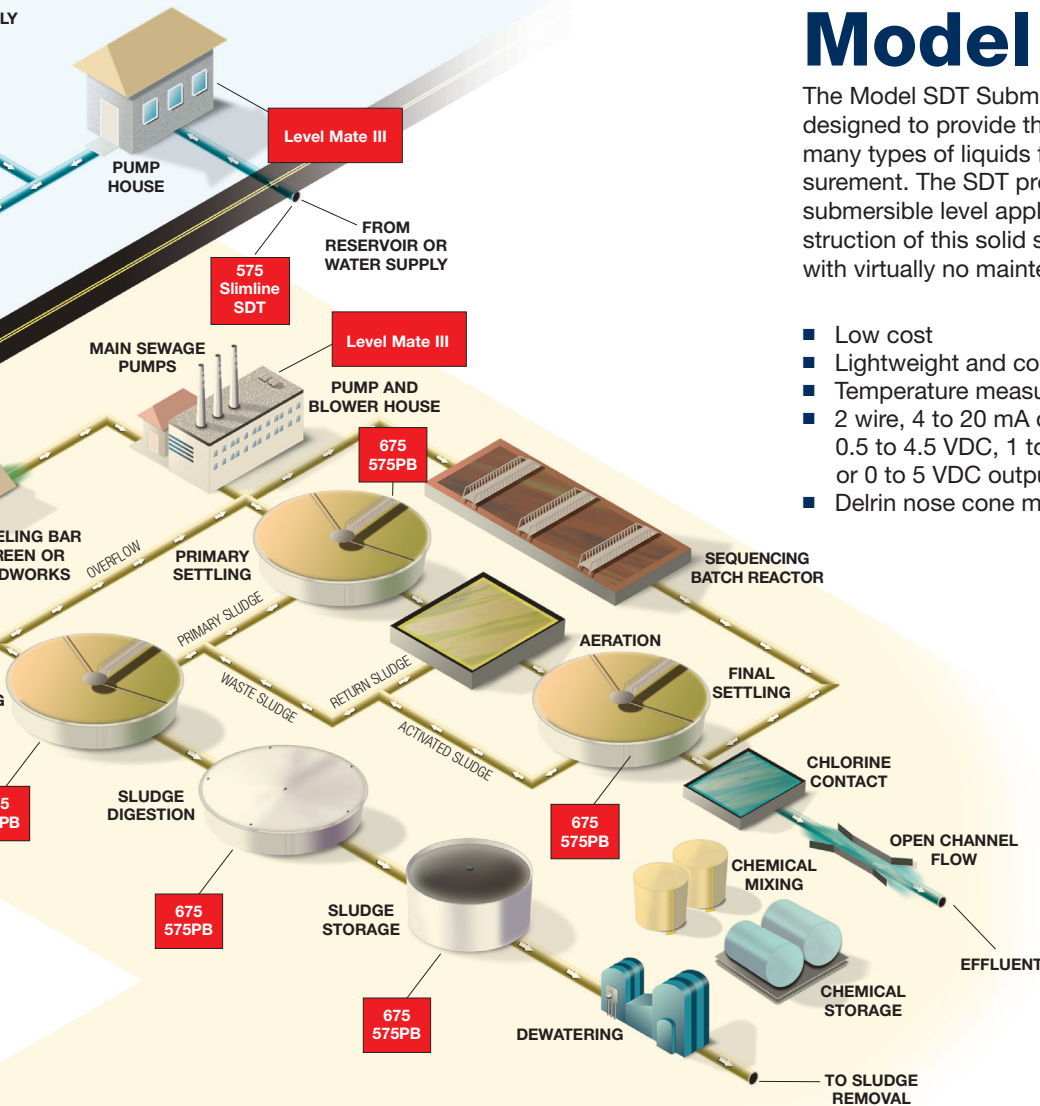
- Oversized 3.5" diaphragm to prevent clogging
- Ideal technology for slurries, lift stations, and pump control
- 2 wire, 4-20mA output standard
- Intrinsically safe for Class 1 Div 1 applications
- Extremely rugged 316L SS construction
- Reverse polarity and surge protection



Model SDT

The Model SDT Submersible Level Transmitter is specifically designed to provide the convenience of a direct submergence in many types of liquids for quick, accurate, and reliable level measurement. The SDT provides a lower cost, lighter weight option for submersible level applications. The simple design and rugged construction of this solid state instrument provide long lasting service with virtually no maintenance.

- Low cost
- Lightweight and compact size
- Temperature measurement option
- 2 wire, 4 to 20 mA output standard; 0.5 to 4.5 VDC, 1 to 5 VDC, 1 to 6 VDC, or 0 to 5 VDC output signals are optional
- Delrin nose cone material with 316 SS Body



WASTEWATER TREATMENT PLANT

Model SST Slimline

The small diameter Model SST Slimline is easy to install. Simply lower the transmitter into a vessel or well. It's that easy. All the electronics are mounted in a submersible 316L SS housing. The transmitter is available calibrated for any span needed. From 0 to 6 psi or 0 to 0.4 bar (14 ft of water) to 0 to 150 psi or 10 bar (345 ft of water).

- Small bore hole sensor 0.69" diameter
- Removable, nonclogging, nylon snubnose with 316L SS diaphragm
- Factory installed cable eliminates water penetration to the sensor
- Pre-calibrated for any span needed, from 0 to 15 psi or 0 to 1 bar (0 to 34 feet or 0 to 10.5 meters of water) to 0 to 150 psi or 0 to 10 bar (0 to 345 feet or 0 to 105 meters of water).
- 2 wire, 4 to 20 mA output standard



Other AMETEK Products For Water & Wastewater



US GAUGE

- Pressure gauges
- Diaphragm seals

www.ametekusg.com



DREXELBROOK

- Ultrasonic level instruments
- RF admittance level switches

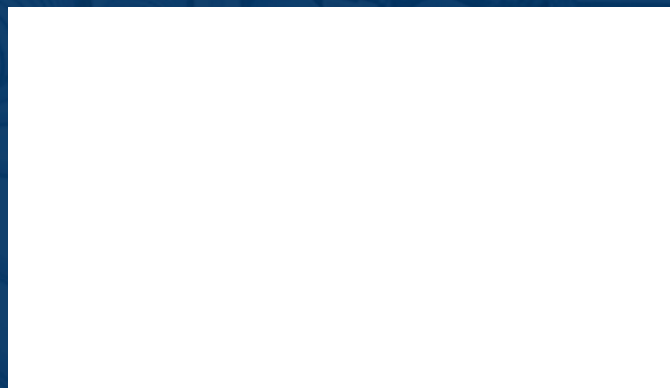
www.drexelbrook.com



PMT Products

- Pneumatic controllers
- Pressure transmitters
- Differential pressure transmitters

www.ametekpmt.com



AMETEK®
PMT PRODUCTS

820 PENNSYLVANIA BLVD., FEASTERVILLE, PENNSYLVANIA 19053 U.S.A.
TEL: +1 215-355-6900 • FAX: +1 215-354-1801 • www.ametekpmt.com

© 2012, by AMETEK, Inc. All rights reserved. Printed in the U.S.A.
2M512CW (110106)

ISO 9001:2000
CERTIFIED

PMT pressure
SENSORS