

DREXELBROOK®

Water and Wastewater

- ||| Level
- ||| Open Channel Flow
- ||| Sludge Blanket Monitoring

PRODUCT AND APPLICATION GUIDE



AMETEK®

DREXELBROOK Solutions

CONTINUOUS LEVEL MEASUREMENT – Multiple Products and Technologies

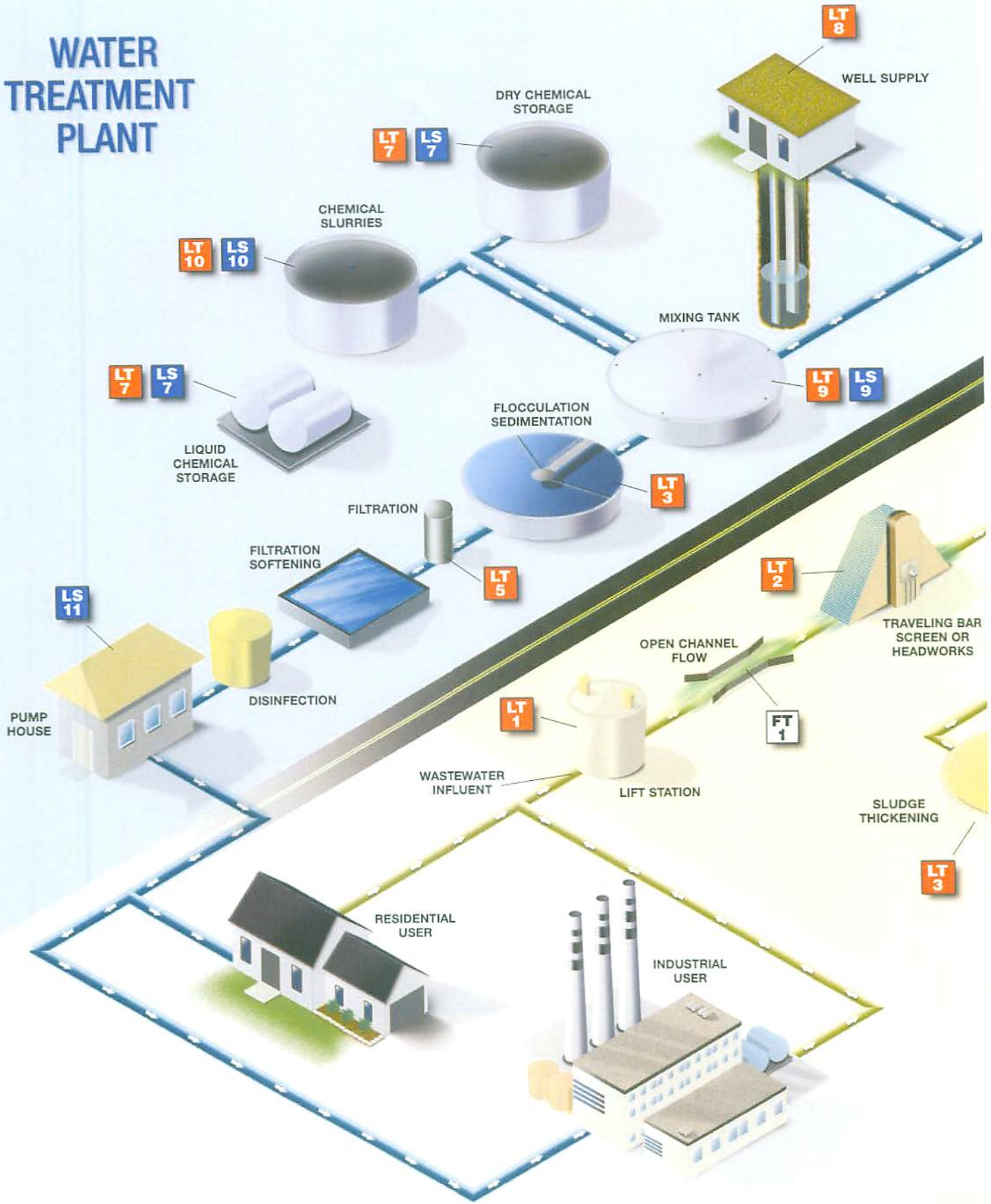
Tag ID	Application	Technology Recommendation	Product Model Number	Data Sheet Number
FT 1	Open Channel Flow Measurement	Ultrasonic	USonic Series, 505-1300-002	USA-XX-A, 505-1300-2-A
		RF Admittance	305-300 Series	305-300-A
		Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
LT 1	Lift Station or Wetwell	RF Admittance	509-0075-906, RCT-1XX0-XXX-2C	509-75-A, RCT-A
		Hydrostatic Pressure	Well Watcher	WW-A
LT 2	Traveling Bar Screen or Headworks	Ultrasonic	USonic Series, 505-1500-2	USA-XX-A, 505-1500-A
		RF Admittance	509-0075-906 or 509-0075-913, RCT-1XX0-XXX-2C or RCT-1XX0-XXX-40 (these products must be used with DE2000F)	509-75-A, RCT-A
LT 3	Sludge Blanket / Clarity Monitor	Ultrasonic	CCS4000	CS4000-A
LT 4	Sludge Digestors / Sludge Storage	RF Admittance	509-0075-906 or 509-0075-913 RCT-1XX0-XXX-2C or RCT-1XX0-XXX-40	509-75-A, RCT-A
		Radar	DR7000, DR2200	DR7000-A, DR2200-A
		Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
LT 5	Water Filtration	Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
		RF Admittance	509-0075-906 or 509-0075-909, RCT-1XX0-XXX-2C	509-75-A, RCT-A
		Magnetostrictive	DM330 Series	DM330-A
LT 6	Chemical Mixing	RF Admittance	509-0075-906, RCT-1XX0-XXX-2C	509-75-A, RCT-A
		Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
		Radar	DR7000, DR2200	DR7000-A, DR2200-A
LT 7	Chemical Slurry Storage	RF Admittance	509-0075-906, RCT-1XX0-XXX-2C	509-75-A, RCT-A
		TDR	DR7100, DR1000	DR7100-A, DR1000-A
		Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
LT 7	Chemical Slurry Storage	Radar	DR7000, DR2200	DR7000-A, DR2200-A
		RF Admittance	509-0075-906, RCT-1XX0-XXX-2C	509-75-A, RCT-A
		RF Admittance	509-0075-906, 509-0075-934 RCT-1XX0-XXX-2C, RCT-1XX0-XXX-40	509-75-A, RCT-A
LT 8	Water Wells	RF Admittance	509-0015-938, 509-0075-938, RCT-1XX0-XXX-45	509-15-38-A, 509-75-937-A, RCT-A
		Hydrostatic Pressure	Well Watcher	WW-A
		Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
LT 9	Mixing Tanks	Radar	DR7000, DR2200	DR7000-A, DR2200-A
		RF Admittance	509-0075-906 or 509-0075-913 RCT-1XX0-XXX-2C or RCT-1XX0-XXX-40	509-75-A, RCT-A
		Ultrasonic	USonic Series, 505-2400-002	USA-XX-A, 505-2400-A
LT 10	Chemical Slurries	Radar	DR7000, DR2200	DR7000-A, DR2200-A
		RF Admittance	509-0075-906 or 509-0075-913 RCT-1XX0-XXX-2C or RCT-1XX0-XXX-40	509-75-A, RCT-A

POINT LEVEL MEASUREMENT – Multiple Products and Technologies

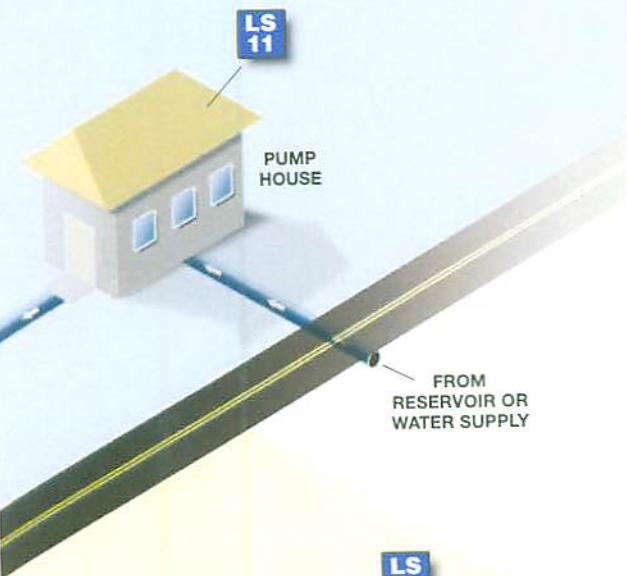
LS 6	Chemical Mixing	RF Admittance	PXL1-XX00-XXXX (For high or low level indication)	PNL1-A
		Vibration (Tuning Fork)	TF-LX0-XXXX (For high or low level indication)	TF-100-A
LS 7	Chemical Storage	RF Admittance	PXL1-XX00-XXXX (For high or low level indication)	PNL1-A
		Vibration (Tuning Fork)	TF-LX0-XXXX (For high or low level indication)	TF-100-A
LS 9	Mixing Tanks	RF Admittance	PXL1-XX00-XXXX (For high or low level indication)	PNL1-A
		Vibration (Tuning Fork)	TF-LX0-XXXX (For high or low level indication)	TF-100-A
LS 10	Chemical Slurries	RF Admittance	PXL1-XX00-XXXX (For high or low level indication)	PNL1-A
		Vibration (Tuning Fork)	TF-LX0-XXXX (For high or low level indication)	TF-100-A
LS 11	Pump Control / Protection	RF Admittance	506-7100 Series	506-7100-A

For Complete Product Specifications Visit www.Drexelbrook.com

WATER TREATMENT PLANT



- FT 1** Flow Transmitter
- LT 1** **LT 10** Continuous Level Transmitters
- LS 6** **LS 11** Level Switches



With Patented SmartGain™ Circuitry

USonic™

- || Measure level, distance, volume, open channel flow
- || SmartGain circuitry automatically ignores false echoes without adjustments
- || Display in engineering units, percent
- || 2 totalizers, both scalable, 1 resettable, 1 non-resettable
- || 2-wire, 4-20 mA, HART
- || Intrinsically safe or explosion-proof models available
- || 30 ft. (9.1 m) measurement range
- || 0.15% accuracy of measured distance
- || FM, CSA, ATEX approved

USonic-R™

- || 2-channel input
- || Measure level, distance, volume or open channel flow
- || SmartGain circuitry automatically ignores false echoes without adjustments
- || Totalization, resettable and non-resettable
- || Differential level
- || Traveling screen
- || Data logging
- || Pump alternation
- || 6 SPDT 5A user programmable relay outputs (optional)
- || NEMA 4X / IP65 enclosure with 6 conduit entries
- || Fully submersible transducer(s) to IP68
- || Remote sensors - up to 1200 ft. (365 m) from electronics
- || No special sensor cable requirements, shielded twisted pair - only
- || 30 ft. (9.1 m) measurement range
- || 0.15% accuracy of measured distance
- || FM, CSA, ATEX approved



WASTEWATER TREATMENT PLANT

The DREXELBROOK Commitment

*Drexelbrook has been ranked
#1 in various categories by
Control Magazine readers for
the last fourteen years*



AMETEK Drexelbrook

is known worldwide as a premiere manufacturer of high-quality level instrumentation. We have earned that reputation as a result of the expertise we have gained and the relationships we have developed over the years with our valued customers. As a company, we have always supported our products and customers to the highest possible degree, while always looking for ways to further improve our efforts.

We believe our fundamental approach to business best serves all parties. That approach is based on thoroughly understanding the end user's application and then making the best possible product recommendations. Properly applied products that utilize proven technologies assure the highest degree of product reliability. Drexelbrook's success with that approach is due to the wide range of products and number of different, proven technologies we offer.

Water and Wastewater is a major global market for Drexelbrook. In addition to our well-established RF admittance products, we have broadened our technology offering with hydrostatic, radar and TDR products. We also are very excited about a new line of Drexelbrook ultrasonic products specifically designed for Water and Wastewater applications. As a result of all our new product development efforts, we now offer a full range of well-designed, high-quality products.

When selecting instrumentation for level, open channel flow or sludge blanket monitoring applications, we certainly would very much appreciate that you consider Drexelbrook as your level measurement solutions provider.

We guarantee you won't be disappointed!

Sincerely,

The Employees of AMETEK Drexelbrook and our Worldwide Network of Representatives and Distributors





AMETEK®
DREXELBROOK

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