



Electromagnetic flow meters FLODEM



- 0.25 m³/h...125 000 m³/h H₂O
- DN15...DN1600
- PN10...PN40
- Accuracy: ± 0.2%, ± 0.5%
- Measurement tube: SST 304; SST 316 on request
- Protection: IP65, IP67, IP68
- Liner: PTFE, hard rubber, neoprene, F46
- Electrodes: SST 316L, HC, Tantalum, Ti, Pt-ir
- Process connection : flange, wafer, tri-clamps
- Power supply : 220 VAC, 120 VAC, 24 VDC, by batteries
- Output & communication: 0...4 ~ 20mA / pulse, HART, RS485

Capacitive pressure transmitters PREC 100



- Differential or gauge pressure: 0...1.25- 5 mbars ~ 0...68.9- 413 bars ;
- Absolute pressure: 0...62- 374 mbars ~ 0...11.7- 68.9 bars
- Technology: capacitive
- Accuracy: ± 0.1%, ± 0.25%, ± 0.5%
- Process connection : 1/4" FNPT, SST 316
- Isolation diaphragms: SST 316, HC, Monel, Tantalum
- Sensor: SST 316L
- With or without LED display
- Protection: IP65
- Power supply: 24 VDC
- Output & communication: 4 ~ 20 mA + HART
- ATEX: Exd II CT6 or Exi II CT4 on request

Capacitive pressure transmitters PREC 200



- Gauge pressure: 0...13- 75 mbars ~ 0...11.7- 68.9 bars
- Technology: capacitive
- Accuracy ± 0.1%, ± 0.25%, ± 0.5%
- Process connection: 1/2" FNPT, 1/2" MNPT, G1/2", M20*1.5 male, SST 316
- Isolation diaphragms: SST 316, HC, Monel, Tantalum
- Sensor: SST 316L
- With or without LED display
- Protection: IP65
- Power supply: 24 VDC
- Output & communication: 4 ~ 20 mA + HART
- ATEX: Exd II CT6 or Exi II CT4 on request

Capacitive pressure transmitters PREC 300



- Gauge pressure: 0...13- 75 mbars ~ 0...1.17 – 6.9 bars
- Technology: capacitive
- Accuracy ± 0.1%, ± 0.25%, ± 0.5%
- Process connection: by flanges ANSI
- Gaskets: asbestos rubber, NBR, Nylon, fluorinated rubber, PTFE
- Isolation diaphragms: SST 316, HC, Tantalum
- Sensor: SST 316L
- With or without LED display
- Protection: IP65
- Power supply: 24 VDC
- Output & communication : 4 ~ 20 mA + HART
- ATEX: Exd II CT6 or Exi II CT4 on request

Piezoresistive pressure transmitters PREP 100



- Gauge pressure: 0...50- 350 mbar ~ 0...150- 400 bars
- Technology: piezoresistive
- Accuracy: ± 0.25%, ± 0.5%
- Overload: 200%
- Process temperature: -20 °C...90 °C
- Power supply: 24 VDC, 12 VDC
- Sensor: SST 316L
- Process connection: M20*1.5; by flange on request
- Housing: aluminum alloy paint with epoxy resin
- Output & communication: 4 ~ 20 mA; HART on request
- With or without LED display
- Protection: IP65
- ATEX: Exd II CT6 or Exi II CT4 on request

Piezoresistive pressure transmitters PREP 200



- Gauge pressure: 0...50- 350 mbar ~ 0...150- 400 bars
- Technology: piezoresistive
- Accuracy: ± 0.25%, ± 0.5%
- Overload: 200%
- Process temperature: -40 °C...125 °C
- Power supply: 24 VDC, 12 VDC
- Output: 4 ~ 20 mA
- Sensor: SST 316L
- Process connection: thread on request
- With or without LED display
- Protection: IP65
- ATEX: Exd II CT6 or Exi II CT4 on request
- Other process connection on request

Hydrostatic level transmitters NIH 100



- 0...200 m for cable version; 0...3 m for rod version
- Accuracy: $\pm 0.25\%$, $\pm 0.5\%$
- Overload: 200 %
- Output & communication : 4 ~ 20 mA ; HART on request
- Temperature compensation between 0...85 °C
- Power supply: 24 VDC, 12 VDC
- Sensor: SST 316L, $\varnothing 26.8$ mm
- Cable: armored and vented in PVC of 6 wires
- Rod: SST 304 ou SST 316
- Protection: IP67
- With LED display

Submersible hydrostatic level transmitters NIH 200



- 0...200 m for cable version; 0...3 m for rod
- Accuracy: $\pm 0.25\%$, $\pm 0.5\%$
- Overload: 200 %
- Output: 4 ~ 20 mA
- Temperature compensation between 0...85 °C
- Power supply: 24 VDC, 12 VDC
- Sensor: SST 316L, $\varnothing 26.8$ mm
- Cable: armored and vented in PVC of 6 wires
- Protection: IP68

Vortex flow meters DV 100



- 0.7 m/s...7 m/s for liquid
- 7 m/s...40 m/s for air
- DN25...DN300
- Accuracy: $\pm 1.0\%$ for liquid
- $\pm 1.5\%$ pour air
- Measurement range: 10:1
- Protection: IP65
- PN16...PN40
- Power supply: 24 VDC, 12 VDC, by batteries
- Output / communication: pulse, 4 ~ 20 mA, RS485

Radar level transmitters for corrosive liquid X-LR 11



- Range: 0 ~ 20 m
- Accuracy: ± 3 mm
- Repeatability: ± 1 mm
- Frequency: 26 GHz
- Process temperature: -60 ~ 120 °C
- Process pressure: -1 ~ 3 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: thread or by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Corrosion-resistive encapsulated antennas in PVDF

Radar level transmitters For tank / liquid X-LR 12



- Range: 0 ~ 30 m
- Accuracy: ± 2 mm
- Repeatability: ± 1 mm
- Frequency: 26 GHz
- Process temperature: -60 ~ 250 °C
- Process pressure: -1 ~ 40 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: thread or by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: horn or water drop in SST 304, horn in plastic

Radar level transmitters for solids / tank / silo X-LR 13



- Range: 0 ~ 70 m
- Accuracy: ± 15 mm
- Repeatability: ± 2 mm
- Frequency: 26 GHz
- Process temperature: -60 ~ 250 °C
- Process pressure: ATM
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: thread or by universal flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: horn or water drop in SST 304

**Radar level transmitters
for solids / silo/ tank
X-LR 14**



- Range: 0 ~ 70 m
- Accuracy: ± 15 mm
- Repeatability: ± 2 mm
- Frequency: 26 GHz
- Process temperature: -60 ~ 250 °C
- Process pressure: ATM
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: thread or by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: Antennas parabolique in SST 304

**Radar level transmitters
for solids / liquid/ tank
X-LR 15**



- Range: 0 ~ 35 m
- Accuracy: ± 3 mm
- Repeatability: ± 1 mm
- Frequency: 26 GHz
- Process temperature: -60 ~ 250 °C
- Process pressure: ATM
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: thread or by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: horn in SST 304 or anti-corrosive in PTFE

**Radar level transmitters
for sanitary liquid
X-LR 16**



- Range: 0 ~ 20 m
- Accuracy: ± 2 mm
- Repeatability: ± 1 mm
- Frequency: 26 GHz
- Process temperature: -60 ~ 150 °C
- Process pressure: ATM
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: Antennas sanitaire in SST 304

**Radar level transmitters
for corrosive liquid / pulp
X-LR 21**



- Range: 0 ~ 20 m
- Accuracy: ± 8 mm
- Repeatability: ± 2 mm
- Frequency: 6.8 GHz
- Process temperature: -60 ~ 120 °C
- Process pressure: -1 ~ 3 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: thread or by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: anti-corrosive in PTFE

**Radar level transmitters
for corrosive liquid / pulp
X-LR 22**



- Range: 0 ~ 20 m
- Accuracy: ± 8 mm
- Repeatability: ± 2 mm
- Frequency: 6.8 GHz
- Process temperature: -40 ~ 150 °C
- Process pressure: -1 ~ 16 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: by lapped flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: anti-corrosive in PTFE

**Radar level transmitters
for liquid / pulp
X-LR 23**



- Range: 0 ~ 30 m
- Accuracy: ± 8 mm
- Repeatability: ± 2 mm
- Frequency: 6.8 GHz
- Process temperature: -40 ~ 150 °C
- Process pressure: -1 ~ 16 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: horn in SST 304

**Radar level transmitters
for solids/ silo
X-LR 24**



- Range: 0 ~ 30 m
- Accuracy: ± 15 mm
- Repeatability: ± 2 mm
- Frequency: 6.8 GHz
- Process temperature: -40 ~ 250 °C
- Process pressure: ATM
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: by universal flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: horn in SST 304

**Radar level transmitters
for liquid / tank on boat
X-LR 25**



- Range: 0 ~ 20 m
- Accuracy: ± 8 mm
- Repeatability: ± 2 mm
- Frequency: 6.8 GHz
- Process temperature: -40 ~ 250 °C
- Process pressure: -1 ~ 20 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: wave-guide in SST 304

**Radar level transmitters
for high temperature solids
X-LR 26**



- Range: 0 ~ 30 m
- Accuracy: ± 15 mm
- Repeatability: ± 2 mm
- Frequency: 6.8 GHz
- Process temperature: -40 ~ 800 °C
- Process pressure: ATM
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- Process connection: by flange
- ATEX: Exia II CT6
- Languages: French, English, Italian
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Antennas: horn in SST 304

**Guided wave radar level transmitters
X-LR 31**



- Range: 0 ~ 30 m
- Accuracy: ± 3 mm
- Repeatability: ± 2 mm
- Process temperature: -40 ~ 250 °C
- Process pressure: -1 ~ 20 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- ATEX: Exia II CT6
- Languages: French, English, Italian, Spanish
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Process connection: thread or by flange
- Probe: cable in SST 304 or in SST 316L

**Guided wave radar level transmitters
X-LR 32**



- Range: 0 ~ 6 m
- Accuracy: ± 3 mm
- Repeatability: ± 2 mm
- Process temperature: -40 ~ 250 °C
- Process pressure: -1 ~ 20 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- ATEX: Exia II CT6
- Languages: French, English, Italian, Spanish
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Process connection: thread or by flange
- Probe: rod in SST 304 or in SST 316L

**Guided wave radar level transmitters
X-LR 33**



- Range: 0 ~ 30 m
- Accuracy: ± 3 mm
- Repeatability: ± 2 mm
- Process temperature: -40 ~ 250 °C
- Process pressure: -1 ~ 20 bars
- Output & communication: 4 ~ 20 mA / HART, Modbus RS485
- Power supply: 24 VDC / 220 VAC (2 wires / 4 wires)
- ATEX: Exia II CT6
- Languages: French, English, Italian, Spanish
- Programmable LCD
- Housing in cast aluminum or in SST 304: IP67
- Process connection: thread or by flange
- Probe: double cables in SST 304 or in SST 316L

Separated ultrasonic level transmitters ULM-(X)



- Range (liquid) / dead band:

4 m / 0.2 m	20 m / 0.8 m
6 m / 0.25 m	30 m / 1.2 m
8 m / 0.3 m	40 m / 1.5 m
12 m / 0.5 m	
- Range(solids) / dead band: 50% of that for liquid
- Resolution: 4 m, 6 m, 8 m 1 mm
 12 m, 20 m, 30 m, 40 m 1 cm
- Accuracy: $\pm 0.2\%$ FS
- Display: LCD in English
- Output charge: 0 ~ 500 Ω
- Configuration by 3 buttons
- Process temperature: sensor- 40 ~ 75 °C
 LCD- 40 ~ 70 °C
- Automatic temperature compensation on the full scale
- Output: 4-20 mA / HART, Modbus RS485
- Relays: 2, 4 or 6 (5A 250 VAC / 30 VDC)
- Pressure: 1 bar
- Power supply: 24 VDC, 85 VAC ~ 265VAC
- Measurement cycle: 1.5 s
- Beam angle: 8° (3 dB)
- Junction box: ABS
- Sensor: ABS
- Protection: IP67
- Installation: wall-mounting
- Process connection: range \leq 8 m G2
 range \leq 40 m M94 * 2



ULG-(4, 6, 8)



ULG-(12, 20, 30, 40)

Differential ultrasonic level transmitters ULG-(X)



- Range (liquid) / dead band:

4 m / 0.2 m	20 m / 0.8 m
6 m / 0.25 m	30 m / 1.2 m
8 m / 0.3 m	40 m / 1.6 m
12 m / 0.5 m	
- Range (solids) / dead band: 50% of that for liquid
- Resolution: 4 m, 6 m, 8 m 1 mm
 12 m, 20 m, 30 m, 40 m 1 cm
- Accuracy: $\pm 0.2\%$ FS
- Display: LCD in English
- Output charge: 0 ~ 500 Ω
- Configuration by 3 buttons
- Process temperature: sensor- 40 ~ 75 °C
 LCD- 40 ~ 70 °C
- Automatic temperature compensation on the full scale
- Output: two 4-20 mA (one for HART in option)
 one for 4-20 mA and one for Modbus RS485
- Relays: 2 AON (5A 250 VAC / 30 VDC), alarms (min. threshold and max. threshold), level check or level difference check
- Pressure: 1 bar
- Power supply: 24 VDC, 220 VAC
- Measurement cycle: 1 s
- Beam angle: 8° (3 dB)
- Junction box: ABS
- Sensor: ABS
- Protection: IP67
- Installation: wall-mounting
- Process connection: range \leq 8 m G2
 range \leq 40 m M94 * 2



ULG-(4, 6, 8)



ULG-(12, 20, 30, 40)

Ultrasonic flow meters for open channel ULFM



- Probe: 4 m
- Resolution: ± 1 mm
- Errors: ± 1 mm or 0.2% FS
- Instantaneous flow: 0 ~ 9999999 L/s or m³/h
- Totalized flow: 99999999, 9 m³/h
- Output charge: 0 ~ 500 Ω
- Digital signal: Modbus RS485
- Analogue signal: 4-20 mA (instantaneous flow), 4-20 mA
- Relays: 6 max. (5A 250 VAC / 30VDC)
 AON/AOFF, alarms, instantaneous flow check or level checks (min. threshold and max. threshold)
 To be programmable as high level, low level, or failure alarms
- Temperature: -40°C ~ 70 °C
- Temperature compensation: automatic on the full scale
- Power supply: 24 VDC/ 220 VAC
- Measurement cycle: 1 s (changeable)
- Housing in ABS IP67
- Installation: wall-mounting
- Weir: Parshall flume, rectangular triangle weir, rectangular weir, cutthroat flume

Signal conditioners / separators SFB



- Passive signal converter / conditioner
- DC current signal converter / conditioner
- Signer converter / conditioner for temperature
- Signal converter / conditioner for electricity distribution
- Signal converter / conditioner for in / test terminal
- Signal converter / conditioner for out / operation terminal
- Single channel
- One in-channel and two out-channels
- Two in-channels and two out-channels
- mA, mV, V, PT, Cu

OUR PRODUCTS IN SERVICE

Pressure transmitter in Australia



Electromagnetic flow meter in South Korea



Vortex flow meter in Israel



Electromagnetic flow meter in Taiwan



Radar level transmitter in China



Radar level transmitter in China



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... present in more than 50 countries.

We are at your service, contact-us
at + 86 13770530824



Web: www.smaat.com.cn

E-mail: smaat@smaat.com.cn

Tel: +86 25-83351886