Ordering information

		'	Main co	de							Option code
LWT310/LWT320	ХX	ХХ	XX	XXX	Х	хх	XXXX	XX	XX	XX	XXX
pprovals (all approvals are pending)											
General purpose	YO										
ATEX/IECEx Intrinsically safe, Ex ia IIC Ga, Ex ia IIIC Da	E1										
ATEX/IECEx Flameproof/dustproof housing, Ex db/ia, Ex ta ia	E2										
ATEX/IECEX Non-sparking, Ex nAc/ia, Category 3/1 (remote probe only)	E3										
ATEX/IECEx	E9										
Ex ic/ia, Category 3/1 (remote probe only)	LJ										
Combination Approval - US standards FMus, ATEX, IECEx - Flameproof/Explosion proof, intrinsically safe, dustproof (protection type marked by customer)	М1										
Combination Approval - Canadian standards cFM, ATEX, IECEx - Flameproof/Explosion proof, intrinsically safe, dustproof (protection type marked by customer) (also meeting FMus)	M2										
cFMus standards, intrinsically safe, Ex ia	N1										
FM US standards, Exposion proof/flameproof/dustproof, Ex db/ia, Ex ta ia	N2										
cFMus standards, Non-incendive with intrinsically safe probe & Ex nAc/ia (remote probe only)	N3										
Canadian standards by FM Exposion proof/Flameproof/Dustproof Ex db/ia, Ex ta ia (also meeting FMus)	N4										
US standards by CSA (for Modbus communication only) Explosion proof/Flameproof/Dustproof	N5										
Ex db/ia, Ex tb ia	N6										
cFMus standards, Ex ic / ia (category 3/1) (remote probe only) Canadian standards by CSA (for Modbus communication only) Explosion proof/Flameproof/Dustproof	N7										
Ex db/ia, Ex tb ia (also meeting CSAus)	147										
etted material											
C-276 alloy		Н1									
304L stainless steel		S 4									
316L stainless steel		S 6									
eal type (O-ring)			_								
Viton, process service temperature range: –26 to 204 °C (–15 to 400 °F)			VO								
Kalrez, process service temperature range: –20 to 204 °C (–4 to 400 °F)			KO								
EPDM, process service temperature range: -50 to 120 °C (-58 to 248 °F)			EO								
Markez,process service temperature range: –10 to 204 °C (14 to 400 °F)			МО								
rocess connection type and pressure rating											
ANSI/ASME, raised face Class 150				ARD							
ANSI/ASME, raised face Class 300				ARE							
ANSI/ASME, raised face Class 600				ARG							
ANSI/ASME, raised face Class 900				ARH							
DIN, raised face PN25				DRD							
DIN, raised face PN40				DRE							
DIN, raised face PN100				DRG							
DIN, raised face PN160											
•				DRH							
NPT threaded connection				NTN							
Special (industry recognized standard flanges only)				ZZZ							

			-	Main co	de							Op c
LW	T310/LWT320	хх	ХХ	XX	XXX	Х	XX	XXXX	XX	XX	XX	×
Process connection size												
DN 20/ANSI 3/4 in (LWT310 only)						В						
DN 25/ANSI 1 in (LWT310 only)						С						
DN 40/ANSI 1 1/2 in						Е						
DN 50/ANSI 2 in						F						
DN 80/ANSI 3 in						Н						
DN 100/ANSI 4 in						J						
DN 150/ANSI 6 in						М						
DN 200/ANSI 8 in						Р						
Special (industry recognized standard flanges only)						Z						
Probe type												
LWT310 rod probes												
Rod probe							R2					
Ø9.5 mm (3/6 in), 6.1 m (20 ft) maximum length												
Segmented rod probe (1 m [39.4 in]) Ø9.5 mm (¾ in), 6.1 m (20 ft) maximum length							R5					
LWT320 rod probes												
Rod probe							D.C.					
Ø12.7 mm (½ in), 6.1 m (20 ft) maximum length							R3					
Segmented rod probe (1 m [39.4 in]), Ø12.7 mm ($\frac{1}{2}$ in), 6.1 m (20 ft) maximum length							R6					
LWT310 cable probes												
Cable probe 4.8 mm (¾ in) O.D. 61 m (200 ft) maximum length							F1					
Cable probe 4.8 mm (¾ in) O.D., with Teflon spacers 61 m (200 ft) maximum length							FB					
LWT320 cable probes												
Cable probe 6.4 mm (1/4 in) O.D. 61 m (200 ft) maximum length							F2					
LWT310 coaxial probes												
Coaxial probe 22 mm (⅓ in) O.D. with Teflon spacers 6.7 m (22 ft) maximum length							СТ					
Probe material												
								DMIII				
C-276 alloy								PMH1				
304/L stainless steel								PMS4				
316/L stainless steel								PMS6				
Housing												
Aluminum with 2 × M20 × 1.5									D1			
Aluminum with 2 × NPT ½ in									D2			
316L stainless steel with 2 × M20 × 1.5									D3			
316L stainless steel with 2 × NPT ½ in									D4			
Remote/Aluminum 2 × M20 × 1.5									R1			
Remote/Aluminum 2 × NPT ½ in									R2			
Remote/Stainless steel 2 × M20 × 1.5									R3			
Remote/Stainless steel 2 × NPT ½ in									R4			
Display												
No display, with blind cover										LO		
With HMI pushbutton keypad display and glass cover (no waveform function available)										L1		
With HMI TTG and display and glass cover										L2		
Output												
Single 4 to 20 mA + HART communication (allows top level measurement only)											H1	
Modbus communication (top level and interface measurement)											M1	
audi ciricity												

			Main co	ode						Optio cod
	LWT310/LWT320	ХХ	XX XX	XXX	X XX	XXXX	XX	XX	ХХ	XX
nmounted accessories										
Stopping plug, nickel-plated brass										A1
Cable gland, nickel-plated brass										A2
3 in. to ¾ in. bushing										А3
4 in. to ¾ in. bushing										A4
Other accessory										AZ
emote electronics coaxial cable length (for remo	te coupler only)									
1.5 m (≅5 ft)										SR\
3 m (≅10 ft)										SR
5 m (≅16 ft)										SR:
6 m (≅20 ft)										SRI
10 m (≅32 ft)										SR
15 m (≅49 ft)										SR
20 m (≅66 ft)										SR
25 m (≅82 ft)										SR
30 m (≅98 ft)										SR
35 m (≅115 ft)										SR
40 m (≅131 ft)										SR
45 m (≅147 ft)										SR
50 m (≅164 ft)										SR
60 m (≅197 ft)										SR
Custom coaxial remote length (max. 60 m [197 f	tl)									SR
nd-of-probe attachments Cable probe weight										
Cable probe weight Cable weight (removable)										
Cable probe weight										WC WC
Cable probe weight Cable weight (removable)										
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only)										WC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk										
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate										WC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag										WC WD
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate										WC WD
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag										WC WD
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204										WC WD T1 TC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate	ertificate 3.1 acc. EN	10204								WD T1 TC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204		10204								WD T1 TC C1
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of	c. EN 10204	10204								WD T11 TE C1 C2 C4
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc.	c. EN 10204	10204								WD T1 TE C1 C2 C4 C9
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc. With dye penetrant test on pressure bearing pages	c. EN 10204	10204								WD T11 TE C1 C4 C9 CC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acd With dye penetrant test on pressure bearing participates of origin	c. EN 10204 rts	10204								WD T11 TE C1 C2 C4 C9 CC AC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc. With dye penetrant test on pressure bearing participates of origin Attested certificate of origin	c. EN 10204 rts	10204								WD T1 TE C1 C2 C4 C9 CC AC CG
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc. With dye penetrant test on pressure bearing paths of Certificate of origin Attested certificate of origin Printed record of configured settings in transmin	c. EN 10204 rts itter	10204								WC
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc. With dye penetrant test on pressure bearing paths acceptable of origin Attested certificate of origin Printed record of configured settings in transmet with hydrostatic test report	c. EN 10204 rts itter bon content		acc. EN 102	04						WD T11 TE C11 C22 C4 C9 C00 C10 C10 C10 C10 C10 C10
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc. With dye penetrant test on pressure bearing path attested certificate of origin Attested certificate of origin Printed record of configured settings in transmit with hydrostatic test report PMI Positive Material Identification without care	c. EN 10204 rts itter bon content		acc. EN 102	04						WD T11 TE C1 C2 C4 C9 CC AC CC CH C1
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc With dye penetrant test on pressure bearing paths at the distribution of the distribut	c. EN 10204 rts itter bon content		acc. EN 102	04						WD T11 TE C1 C2 C4 C9 CC AC CC CH C1
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc With dye penetrant test on pressure bearing paths at Certificate of origin Attested certificate of origin Printed record of configured settings in transm With hydrostatic test report PMI Positive Material Identification without car Material monitoring NACE MR 0175, MR 0103 w SIL2 - certified acc. to IEC61508	c. EN 10204 rts itter bon content rith inspection certifi		acc. EN 102	04						WC WD T11 TC C1 C2 C4 C9 CC AC CG CH CJ CN CS
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acd With dye penetrant test on pressure bearing participated of origin Attested certificate of origin Printed record of configured settings in transmout With hydrostatic test report PMI Positive Material Identification without care Material monitoring NACE MR 0175, MR 0103 with SIL2 - certified acc. to IEC61508 rawings Standard ABB drawings for approval prior to content of the second settings of the second se	c. EN 10204 rts itter bon content rith inspection certifi		acc. EN 102	04						WC WD T11 TC C1 C2 C4 C9 CC AC CG CH C3 CH C3 CN CS
Cable probe weight Cable weight (removable) Cable weight (welded, LWT320 only) Centering disks Metal centering disk evice identification plate Additional stainless steel hang tag Additional screwed-on steel tag plate ertificates Test report 2.2 acc. EN 10204 MTR 3.1, Material monitoring with inspection of Declaration of compliance with the order 2.1 acc With dye penetrant test on pressure bearing paths at Certificate of origin Attested certificate of origin Printed record of configured settings in transm With hydrostatic test report PMI Positive Material Identification without car Material monitoring NACE MR 0175, MR 0103 w SIL2 - certified acc. to IEC61508	c. EN 10204 rts itter bon content rith inspection certifi		acc. EN 102	04						WD T11 TE C1 C2 C4 C9 C0 C1 C1 C2 C4 C9 C1 C1 C1 C2 C4 C9 C1 C1 C1 C1 C2 C4 C9 C1 C1 C1 C1 C1 C1 C1 C1 C1

	Main code											Optiona code	
	LWT310/LWT32	XX C	XX	XX	XXX	Х	XX	Х	XXX	XX	XX	XX	XXX
Documentation language (user and safety gui	des, hard copy)												
German													M1
French													M4
English													M5
Programming and parameter settings													
Custom parameter settings													N6
longer distance guaranteed verified by desi 9-point calibration verification certificate, f longer distance guaranteed verified by desi	actory default 100, 87.5	5, 75, 67	.5, 50, 3	37.5, 2	i, 12.5 a	nd 0%	6 (max	imum	length (of 7 m,	points	at	R9
Pipe or chamber internal diameter for spacer,	weight or end-of-probe	disk s											
p internal alameter for spacely	weight of end of prob		ızıng										
Inner diameter ≥24.3 mm (0.96 in) and <34	•		-	88 in) (LWT31	0 only)						QP1
	mm (1.34 in), spacer O.		-	88 in) (LWT31	0 only)						QP1 QP2
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in)		-	88 in) (LWT31	0 only)						QP2 QP3
Inner diameter \ge 24.3 mm (0.96 in) and <34 Inner diameter \ge 34 mm (1.34 in) and <42.8 Inner diameter \ge 42.8 mm (1.69 in) and <54 Inner diameter \ge 54 mm (2.13 in) and <66.7	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in)		-	88 in) (LWT31	0 only)						QP2 QP3 QP4
Inner diameter ≥ 24.3 mm (0.96 in) and < 34 Inner diameter ≥ 34 mm (1.34 in) and < 42.8 Inner diameter ≥ 42.8 mm (1.69 in) and < 54 Inner diameter ≥ 54 mm (2.13 in) and < 66.7 Inner diameter ≥ 66.7 mm (2.62 in) and < 82.8	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) 8 mm (3.26 in)		-	88 in) (LWT31	0 only)						QP2 QP3 QP4 QP5
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54 Inner diameter ≥54 mm (2.13 in) and <66.7 Inner diameter ≥66.7 mm (2.62 in) and <82. Inner diameter ≥82.8 mm (3.26 in) and <10.	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) .8 mm (3.26 in) 2.3 mm (4.03 in)		-	88 in) (LWT310	0 only)						QP2 QP3 QP4 QP5 QP6
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54 Inner diameter ≥54 mm (2.13 in) and <66.7 Inner diameter ≥66.7 mm (2.62 in) and <82. Inner diameter ≥82.8 mm (3.26 in) and <10.0 Inner diameter ≥102.3 mm (4.03 in) and <1.0	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) .8 mm (3.26 in) 2.3 mm (4.03 in)		-	88 in) (LWT31	0 only)						QP2 QP3 QP4 QP5 QP6 QP7
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54 Inner diameter ≥54 mm (2.13 in) and <66.7 Inner diameter ≥66.7 mm (2.62 in) and <82. Inner diameter ≥82.8 mm (3.26 in) and <10. Inner diameter ≥102.3 mm (4.03 in) and <1.00 Inner diameter ≥102.3 mm (4.03 in) and <1.00 Inner diameter ≥122.3 mm (4.81 in)	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) 8 mm (3.26 in) 2.3 mm (4.03 in) 22.3 mm (4.81 in)		-	88 in) (LWT31	0 only)						QP2 QP3 QP4 QP5 QP6 QP7 QP8
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54 Inner diameter ≥54 mm (2.13 in) and <66.7 Inner diameter ≥66.7 mm (2.62 in) and <82. Inner diameter ≥82.8 mm (3.26 in) and <10.0 Inner diameter ≥102.3 mm (4.03 in) and <1.0	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) 8 mm (3.26 in) 2.3 mm (4.03 in) 22.3 mm (4.81 in)		-	88 in) (LWT310	0 only)						QP2 QP3 QP4 QP5 QP6 QP7
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54 Inner diameter ≥54 mm (2.13 in) and <66.7 Inner diameter ≥66.7 mm (2.62 in) and <82. Inner diameter ≥82.8 mm (3.26 in) and <10 Inner diameter ≥102.3 mm (4.03 in) and <10 Inner diameter ≥122.3 mm (4.81 in) Custom dimension (not for gas phase comp	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) 8 mm (3.26 in) 2.3 mm (4.03 in) 22.3 mm (4.81 in)	D.: 22.3	mm (0.	88 in) (LWT31	0 only)						QP2 QP3 QP4 QP5 QP6 QP7 QP8
Inner diameter ≥24.3 mm (0.96 in) and <34 Inner diameter ≥34 mm (1.34 in) and <42.8 Inner diameter ≥42.8 mm (1.69 in) and <54 Inner diameter ≥54 mm (2.13 in) and <66.7 Inner diameter ≥66.7 mm (2.62 in) and <82. Inner diameter ≥82.8 mm (3.26 in) and <10 Inner diameter ≥102.3 mm (4.03 in) and <13 Inner diameter ≥122.3 mm (4.81 in)	mm (1.34 in), spacer O. mm (1.69 in) mm (2.13 in) mm (2.62 in) 8 mm (3.26 in) 2.3 mm (4.03 in) 22.3 mm (4.81 in)	D.: 22.3	mm (0.	88 in) (LWT31	0 only)						QP2 QP3 QP4 QP5 QP6 QP7 QP8