

# Madeco Level Transmitter

## MDLT 3000



The Madeco 3000 Level Transmitter With the Reliability and Quality of a Direct Mount Seal In One Model Number 3000 Level Transmitters offer a Variety Of Process Connection, configuration , and Fill Fluid Types to Meet a Breadth of Level Application.

### Madeco 3000 Level Transmitter Ordering Information

The Starred Offering ( ★ ) Represent the Most Common Option and Should be Selected for Best Delivery. the non-Starred are Subject To Additional Delivery Lead Time

Model	Transmitter type		
MDLT 3000			
Pressure range			
L	-250 to 250 inH <sup>2</sup> O (-621,60 To 621,60 mbar)		★
M	-1000 to 1000 inH <sup>2</sup> O (-2,48 to 2,48 bar)		★
H	-300 to 300 psi (20,68 to 20,68 bar)		★
Transmitter Output			
A	4-20 mA with Digital Singel Based on HART Protocol		★
F	Foundation Fieldbus Protcol		★
P	PROFIBUS PA Protocol		★
W	Wireless (requires wireless options an engineered polymer housing)		★
L	Low-power 1-5 ds with digitalsingel based in HART Protocol		
Process connection size , material, extension Length (high side)			
Code	Process connection	Material	Extension length
S1	20-in./DN 50/A	316L SST	Flush mount only
A2	20-in./DN 50/	Alloy C-276	Flush mount only
T2	20-in./DN 50/	Tantalum	Flush mount only
S3	20-in./DN 80	316L SST	Flush mount
S4	20-in./DN 100	316L SST	Flush mount
T3	3-in./DN 80	Tantalum	Flush mount only
T4	4-in./DN 100	Tantalum	Flush mount only

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Housing material		Conduit entry size		
AN	Aluminum	1/2-14 NPT		★
AW	Aluminum	M20 x 1.5		★
SN	SST	1/2-14 NPT		★
SM	SST	M20 x 1.5		★
AG	Aluminum	G1/2		★
SG	SST	G1/2		★

Extended product warranty		
W1	3-YEAR LIMITED WARRANTY	★
W3	5-YEAR LIMITED WARRANTY	★
Bolting material		
B1	Austenitic 316 Sst bolts	★
B2	ASTM A 193, grade B7M bolts	★
B3	Alloy K-500 Bolts	★
B4	ASTM A 193 Class 2, grade B8m bolts	★
Display and interface options		
L	LCD display	★
Calibration certification		
C	Calibration certification	★
Calibration certification		
C	Calibration certification	★
Calibration buttons		
D	Analog zero and span	★
Alarm levels		
F1	NAMUR alarm and sturation levels, high alarm	★
F2	NAMUR alarm and sturation levels, low alarm	★
F3	Custom alarm and saturation singel levels, high alarm (requires C1 and MADECO 30510 (Configuration Data Sheet)	★
F4	Custom alarm and saturation singel levels, high alarm (requires C1 and MADECO 30510 (Configuration Data Sheet)	★
F5	MADECO Standard low alarm	★

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	Size	Rating	Material	
21C	2-in.	ANSI/ASMe B16.5 Class 150	CS	★
31C	3-in.	ANSI/ASMe B16.5 Class 150	CS	★
41C	4-in.	ANSI/ASMe B16.5 Class 150	CS	★
23C	2-in.	ANSI/ASMe B16.5 Class 300	CS	★
33C	3-in.	ANSI/ASMe B16.5 Class 300	CS	★
43C	4-in.	ANSI/ASMe B16.5 Class 300	CS	★
26C	2-in.	ANSI/ASMe B16.5 Class 600	CS	★
36C	3-in.	ANSI/ASMe B16.5 Class 600	CS	★
21S	2-in.	ANSI/ASMe B16.5 Class 150	316L SST	★
31S	3-in.	ANSI/ASMe B16.5 Class 150	316L SST	★
41S	4-in.	ANSI/ASMe B16.5 Class 150	316L SST	★
23S	2-in.	ANSI/ASMe B16.5 Class 300	316L SST	★
33S	3-in.	ANSI/ASMe B16.5 Class 300	316L SST	★
43S	4-in.	ANSI/ASMe B16.5 Class 300	316L SST	★
26S	2-in.	ANSI/ASMe B16.5 Class 600	316L SST	★
36S	3-in.	ANSI/ASMe B16.5 Class 600	316L SST	★
5C	Dn 50	PN 10-40 per EN 1092-1	CS	★
8C	DN 80	PN 10-40 EN 1092-1	CS	★
1C4	DN 100	PN 10-40 EN 1092-1	CS	★
1C1	DN 100	PN 10-40 per EN 1092-1	CS	★
5S	DN 50	PN 10-40 per EN 1092-1	316L SST	★
8S	DN 80	PN 10-40 EN 1092-1	316L SST	★
1S	DN 100	PN 10-40 EN 1092-1	316L SST	★

★ Any other special Materials (Hastelloy - Monel - in conel ...) applicable according to the customer requirements.

	Seal fill fluid (high side)	Specific gravity	Temperature limits (ambient temperature of 70° F[21°])	
A	Silicone 200	0.93	-49 to 401 °F (-45 to 250°C)	★
B	Silicone 200 for Vacuum Application	0.93	For use in vacuum applicatons below 14.7 psia (1 bar-a) refer to vapor pressure curves in madeco DP level Fill Fluid Specification Technical Note	★
C	Silicone 705 for Vacuum Application	1.07	For use in vacuum applicatons below 14.7 psia (1 bar-a) refer to vapor pressure curves in madeco DP level Fill Fluid Specification Technical Note	★
D	Silicone 705	1.09	68 to 401 °F (20 to 250°C)	★
E	Silicone 705 for Vacuum Application	1.09	For use in vacuum applicatons below 14.7 psia (1 bar-a) refer to vapor pressure curves in madeco DP level Fill Fluid Specification Technical Note	★
F	Glycerin and water	1.13	5 to 203 °F (-15 to 95°C)	★
G	Propylene glycol and Water	1.13	5 to 203 °F (-15 to 95°C)	★

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