

Madeco Level Transmitter Model: MDLT3000

The Madeco MDLT 3000 Level Transmitter With the MDLT 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.



Ordering Information

- **Pressure range**
 - 250 ... 250 inH²O (-621,60 To 621, 60mbar)
 - 1000 ... 1000 inH²O (-2,48 To2,48, bar)
 - 300 ... 300 Psi (20,68 To20,68, bar)
- **Transmitter Output**
 - 4-20 mA with Digital singel based on HART protocol
 - Foundation fieldbus protocol
 - PROFIBUS PA Protocol
 - Wireless (requires wireless option an engineered polymer housing)
 - Low-power 1-5 ds with digital singel based in HART Protocol

Diaphragm Connection size,Material, Extension length (high side)

Code	Process Connection	Material	Extension lengh
S1	2-IN	316L SST	Flush mount only
A2	2-IN	Alloy C-276	Flush mount only
T2	2-IN	Tantalum	Flush mount only
S3	3-IN	316L SST	Flush mount
S4	4-IN	316L SST	Flush mount
T3	3-IN./DN80	Tantalum	Flush mount only
T4	4-IN./DN100	Tantalum	Flush mount only
C	Custom	Custom	Custom

Table:1

Mouting flange (Size, Rating, Material)

	Size	Rating	Material
AB	2-in.	ANSI/ASME B16.5 Class150	CS
AC	3-in.	ANSI/ASME B16.5 Class150	CS
AD	4-in.	ANSI/ASME B16.5 Class150	CS
BB	2-in.	ANSI/ASME B16.5 Class300	CS
BC	3-in.	ANSI/ASME B16.5 Class300	CS
BD	4-in.	ANSI/ASME B16.5 Class300	CS
CB	2-in.	ANSI/ASME B16.5 Class600	CS
CC	3-in.	ANSI/ASME B16.5 Class600	CS
SA	2-in.	ANSI/ASME B16.5 Class150	316L SST
SB	3-in.	ANSI/ASME B16.5 Class150	316L SST
SC	4-in.	ANSI/ASME B16.5 Class150	316L SST
SD	2-in.	ANSI/ASME B16.5 Class300	316L SST
SE	3-in.	ANSI/ASME B16.5 Class300	316L SST
SF	4-in.	ANSI/ASME B16.5 Class300	316L SST
SG	2-in.	ANSI/ASME B16.5 Class600	316L SST
SH	3-in.	ANSI/ASME B16.5 Class600	316L SST
DA	DN 50	PN 10-40 per EN 1092-1	CS
DB	DN 80	PN 10-40 EN 1092-1	CS
DC	DN 100	PN 10-40 EN 1092-1	CS
DD	DN 100	PN 10-40 per EN 1092-1	CS
DS	DN 50	PN 10-40 per EN 1092-1	316L SST
DE	DN 80	PN 10-40 EN 1092-1	316L SST
DH	DN 100	PN 10-40 EN 1092-1	316L SST
C	Custome	Custome	Custome

Table:2

Fill Fluid

	Seal fill fluid (high side)	Specific gravity	Temperature limits(ambient tamperature of 70 F{21})
S1	Silicone 200	0.93	-49 to 401°F (45 to 250°C)
S2	Silicon 200 for vacuum application	0.93	For use in vacuum application below 14.7 psi (1bar-a)refer to vapor pressure curves in madeco DP level Fill Fluid specification technical note
S3	Silicon 705 for vacuum application	1.07	For use in vacuum application below 14.7 psi (1bar-a)refer to vapor pressure curves in madeco DP level Fill Fluid specification technical note
S4	Silicon 705	1.09	68 to 401°F (20 to 250°C)
S5	Silicon 705 for vacuum application	1.09	For use in vacuum application below 14.7 psi (1bar-a)refer to vapor pressure curves in madeco DP level Fill Fluid specification technical note
S6	Glycerin and water	1.13	5 to 203°F (-15 to95°C)
S7	Propylene glycol and water	1.13	5 to 203°F (-15 to95°C)

Table:3



MADECO 3000 Level Transmitter Ordering Information

MDLT 3000 Level Transmitter

ORDERING CODE	Example:	MDLT 3000	L	AW	1	2	3	B1	L	C	F2	C	D	W1	AS	NOTE
Pressure Rating																
L - (-621 to 621 mbar)			L													
M - (-2.48 to 2.48 bar)																
H - (-20.68 to 20.68 bar)																
Housing Material																
AN - Aluminum - Conduit entry size : 1/2-14 NPT																
AW - Aluminum - Conduit entry size : M20*1.5				AW												
SN - SST - Conduit entry size : 1/2-14NPT																
SM - SST - Conduit entry size : M20*1.5																
AG - Aluminum - Conduit entry size : G1/2																
SG - SST - Conduit entry size : G1/2																
Diaphragm Connection																
Pleas see the table No.1					1											
Mounting Flange Connection																
Pleas see the table No.2						2										
Fill Fluid																
Pleas see the table No.3							3									
Bolting Material																
B1 - Austenitic 316 SST bolts								B1								
B2 - ASTM A193, grade B7M bolts																
B3 - Alloy K-500 bolts																
B4 - ASTM A 193 Class 2, grade B8m bolts																
Display and Interface option																
L - LCD display									L							
Accuracy																
C - 0.075%										C						
B - 0.04%																
A - 0.25%																
Alarm Level																
F1 - NAMUR alarm and saturation levels, high alarm																
F2 - NAMUR alarm and saturation levels, low alarm											F2					
F3 - Custom alarm and saturation single levels, high alarm (requires C1 and MADECO 20510 (Configuration data sheet)																
F4 - Custom alarm and saturation single levels, high alarm (requires C1 and MADECO 20510 (Configuration data sheet)																
F5 - MADECO standard low alarm																
Calibration Certification																
C - Calibration Certification												C				
Calibration buttons																
D - Analog buttons													D			
Extended Product Warranty																
w1 - 3 years limited warranty															W1	
w3 - 5 years limited warranty																
Options																
AS - Assemble 3way manifold																AS
AM - Assemble 3way manifold																
BR - Bracket for 2-in.pipe or panel mounting. sst																
CC - Calibration certificate																
CM - Material Traceability certification																
CP - Hydrostatic testing with certificate																
CL - Cleaning for special service																
CR - special calibrated range (please specify the range)																
AN - Analog zero and span trim																
NH - Stainless steel tag wired to case																
AT - ATEX																
Other																



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