

Spare Parts for XM70 SmartLine Radar Level Meter XM70

Model Selection Guide



Supply the original instrument model code and serial number when ordering

Instructions

Select the desired key number. The arrow to the right marks the selection available.
Make the desired selections from Tables I through V using the column below the proper arrow. A dot (•) denotes availability.



KEY NUMBER

XM70

Description

Availability

Selection

XM70 ↓

TABLE I

Level Meter Code

4 •

TABLE II

Approvals	Without ATEX II G/D 1, 1/2, 2 Ex ia IIC T6 ATEX II G/D 1/2, 2 Ex d ia IIC T6 FM IS Cl. I Div. 1 Gr. A-G Dual Seal FM XP Cl. I Div. 1 Gr. A-G Dual Seal NEPSI Ex ia IIC T3...T6 NEPSI Ex d[ia] IIC T3...T6 IECEX Zone 0 Ex ia IIC T3...T6, Ex iaD 20 IECEX Zone 0/1 Exd [ia] IIC T3...T6, Ex tD [iaD] A21/20 ATEX II 3G Ex nA II T3...T6 CSA IS Cl. I Div. 1 Gr. A-G Dual Seal CSA XP Cl. I Div. 2 Gr. A-G Dual Seal	Approval selection must match the approval designation of the original meter	0 ---	a
			2 ---	a
Material Process Connection and Antenna	Without 316L / 1.4404 + Drop PTFE (40 bar) - Drop PP (16 bar) - Hygienic PEEK (10 bar) 316L / 1.4404 / 100 bar 0		3 ---	d
			6 ---	c
Antenna	Without	Drawing Reference	7 ---	c
	Antenna DN 80 dia. 75 mm (2.95 inch) - long	(c + d)	E ---	a
	Antenna DN 40 dia. 39 mm (1.54 inch) - long	(a)	F ---	d
	Antenna DN 50 dia. 43 mm (1.69 inch) - long	(b)	M ---	a
	Antenna DN 80 dia. 75 mm (2.95 inch) - long - with purging system	(c + d)	N ---	d
	Antenna DN 40 dia. 39 mm (1.54 inch) - long - with purging system	(a)	A ---	a
	Antenna DN 50 dia. 43 mm (1.69 inch) - long - with purging system	(b)	H ---	c
	Antenna DN 100 dia. 95 mm (3.7 inch) - long	(c + e + f)	K ---	c
	Antenna DN 100 dia. 95 mm (3.7 inch) - long - with purging system	(c + e + f)	- 0 ---	•
	PEEK Hygienic antenna (FDA conform)	(t, u, v or w)	- 1 ---	•
	DROP PTFE DN 80 long (Ø 75 mm / 2.95 inch) -50°C...+150°C	(m)	- 3 ---	•
	DROP PP DN 80 long (Ø 75 mm / 2.95 inch) -50°C...+100°C	(l)		
	Sheet metal Horn DN 80 (Ø 75 mm / 2.95 inch) - long	(h)		
	Sheet metal horn DN 100 (Ø 95mm/3,7 inch) - long	(i)		
	Sheet metal horn DN 80 (Ø 75 mm / 2.95 inch) - long - with purging system	(h)		
Sheet metal horn DN 100 (Ø 95mm/3,7 inch) - long - with purging system	(i)			
Antenna Extension	Without	(mandatory with HC material)		
	Extension 105 mm (4.13 inch)	(g) for Horn or (o) for Drop	- 0 ---	•
	Extension 210 mm (8.26 inch)	(g) for Horn or (o) for Drop	- 4 ---	e
	Extension 315 mm (12.4 inch)	(g) for Horn or (o) for Drop	- 5 ---	v
	Extension 420 mm (16.54 inch)	(g) for Horn or (o) for Drop	- 6 ---	g
	Extension 525 mm (20.67 inch)	(g) for Horn or (o) for Drop	- 7 ---	h
	Extension 630 mm (24.80 inch)	(g) for Horn	- 8 ---	w
	Extension 735 mm (28.94 inch)	(g) for Horn	- A ---	x
	Extension 840 mm (33.07 inch)	(g) for Horn	- F ---	k
	Extension 945 mm (37.20 inch)	(g) for Horn	- G ---	y
	Extension 1050 mm (41.34 inch)	(g) for Horn	- H ---	t
	Flange plate protection (PP drop) for DN 80/100, 3" & 4", 80A & 100A	(q) with antenna	- P ---	l
	Flange plate protection (PP drop) for DN 150, 6" & 8"	(q)	- S ---	m
	Flange plate protection (PTFE drop) for DN 80/100, 3" & 4", 80A & 100A	(r)	- U ---	e
	Flange plate protection (PTFE drop) for DN 150, 6" & 8"	(r)	- V ---	k
		- W ---	h	
		- X ---	y	

TABLE II

Feedthrough / Temperature / Sealing Gasket	Without
	Standard: -40°C (-40°F)...+150°C (302°F), 40 bar (580 psi) max. / FKM/FPM
	Standard: -20°C (-4°F)...+150°C (302°F), 40 bar (580 psi) max. / Kalrez 6375
	Dual: Metaglas / -30°C (-22°F)...+150°C (302°F), 40 bar (580 psi) / FKM/FPM
	Dual: Metaglas / -20°C (-4°F)...+150°C (302°F), 40 bar (580 psi) / Kalrez 6375
	Standard: -50°C...+150°C / EPDM
	Dual Metaglas: -30°C...+150°C / EPDM
	Standard/-20°C...+150°C / EPDM for Bio Control
	Standard/-20°C...+150°C / FKM/FPM for Bio Control
	Standard / -40°C...+200°C / FKM/FPM (distance piece included)
	Standard / -20°C...+200°C / Kalrez 6375 (distance piece included)
	Metaglas® / -30°C...+200°C / FKM/FPM (distance piece included)
	Metaglas® / -20°C...+200°C / Kalrez 6375 (distance piece included)

Selection

---	0	•
---	1	•
---	2	•
---	3	•
---	4	•
---	5	•
---	6	•
---	B	z
---	C	z
---	F	•
---	G	•
---	H	•
---	K	•

TABLE III

Process Connection - None	Without	
	G1 1/2" A ISO229	
	DN 40 PN 40 Form B1 EN1092	
	DN 50 PN 40 Form B1 EN1092	
	DN 80 PN 40 Form B1 EN1092	
	DN 100 PN 16 Form B1 EN1092	
	DN 100 PN 40 Form B1 EN1092	
	DN 150 PN 16 Form B1 EN1092	
	DN 150 PN 40 Form B1 EN1092	
	DN 50 PN 63 Form B1 EN1092	
	DN 80 PN 63 Form B1 EN1092	
	DN 100 PN 63 Form B1 EN1092	
	DN 40 PN 63 / PN 100 Form B1 EN1092	
	DN 50 PN 100 Form B1 EN1092	
DN 80 PN 100 Form B1 EN1092		
DN 100 PN 100 Form B1 EN1092 (distance piece included)		
DN 150 PN 63 Form B1 EN1092 (distance piece included)		
DN 150 PN 100 Form B1 EN1092 (distance piece included)		
Process Connection EN	1 1/2" NPT	
	1 1/2" 150 lb RF ASME B16.5	
	1 1/2" 300 lb RF ASME B16.5	
	2" 150 lb RF ASME B16.5	
	2" 300 lb RF ASME B16.5	
	3" 150 lb RF ASME B16.5	
	3" 300 lb RF ASME B16.5	
	4" 150 lb RF ASME B16.5	
	4" 300 lb RF ASME B16.5	
	6" 150 lb RF ASME B16.5	
	8" 150 lb RF ASME B16.5	
	6" 300 lb RF ASME B16.5 (distance piece included)	
	1" 1/2 600 lb RF ASME B16.5	
	2" 600 lb RF ASME B16.5	
	3" 600 lb RF ASME B16.5 (distance piece included)	
	4" 600 lb RF ASME B16.5 (distance piece included)	
	1" 1/2 900 lb / 1500 lb RF ASME B16.5 (distance piece included)	
	2" 900 lb / 1500 lb RF ASME B16.5 (distance piece included)	
	3" 900 lb RF ASME B16.5 (distance piece included)	
4" 900 lb RF ASME B16.5 (distance piece included)		
Process Connection ASME	10K 40A RF JIS B2220	
	10K 50A RF JIS B2220	
	10K 80A RF JIS B2220	
	10K 100A RF JIS B2220	
	Bio Control DN 50	
	Tri-Clamp 2"	
	DIN 11851 DN 50	
SMS 51		
Process Connection Other	Without	
	Terminal module (Non-Ex or Ex i) + screws	n° 7+8
	Backend (1 output) + High frequency module	n° 1 + 6
	HMI cover + cable (Aluminium)	n° 14
	Complete head with HMI (Aluminium)	n° 7 + 8 + 9 + 10 + 11 + 12 + 14 + 15
	Complete head with blind cover (Aluminium)	n° 2 + 3 + 4 + 7 + 8 + 9 + 10 + 15
	Complete housing with HMI + electronic module (Aluminium)	n° 1 + 6 thru 12 + 14 + 15
	Complete head with HMI (Stainless steel)	n° 7 + 8 + 9 + 10 + 14 + 15
	Complete head with blind cover (Stainless steel)	n° 2 + 3 + 4 + 7 + 8 + 9 + 10 + 15
	Complete housing with HMI + electronic module (Stainless steel)	n° 1 + 6 + 7 + 8 + 9 + 10 + 14 + 15
	Terminal module (Ex d) + screws	n° 7+8
	HMI cover + cable (Stainless steel)	n° 14

000	•	
300	•	
500	•	
600	•	
700	•	
800	•	
A00	•	
B00	•	
C00	•	
D00	•	
E00	•	
F00	•	
L00	•	
M00	•	
N00	•	
P00	•	
R00	•	
S00	•	
030	•	
050	•	
060	•	
070	•	
080	•	
0A0	•	
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0G0	•	
0N0	•	
0P0	•	
0R0	•	
0S0	•	
0U0	•	
0V0	•	
0W0	•	
0X0	•	
005	•	
006	•	
007	•	
008	•	
00C	•	
00F	•	
00L	•	
00P	•	
---	0	•
---	3	i
---	4	s
---	5	s
---	6	r
---	7	q
---	A	r
---	B	r
---	C	q
---	D	r
---	E	o
---	F	s

TABLE IV

		Availability
		Selection
Output	Without	0 ___ •
	1 Output 4...20mA (Hart)	1 ___ •
HMI (display & keys)	2 Outputs 4...20mA (Hart) + 4...20mA	2 ___ •
	Foundation Fieldbus (4 wire + local HART)	A ___ f
Accessories	Profibus PA (4 wire + local HART)	D ___ •
	Without - No Display	_ 0 _ •
	English	_ 1 _ •
	German	_ 2 _ •
	French	_ 3 _ •
	Italian	_ 4 _ •
	Spanish	_ 5 _ •
	Portugese	_ 6 _ •
	Japanese	_ 7 _ •
	Chinese (Mandarin)	_ 8 _ •
Russian	_ A _ •	
Version	Honeywell	_ _ V _ •
Accessories	Without	_ _ _ 0 •
	Stainless steel weather protection	_ _ _ 1 •
	Cable entry M20x1,5 (ALU) M25x1,5 (SS) / without gland	_ _ _ 2 •
	Screws + gaskets (kit for 1 unit)	_ _ _ 3 •
	Wiring compartment cover + gasket	_ _ _ 4 •
	Cable entry 1/2" NPT / without gland	_ _ _ 5 •
	Cable entry G 1/2" / without gland (not for Sst housing)	_ _ _ 6 •
	Cable entry M20x1,5 (ALU) M25x1,5 (SS) / plastic gland (Std: black, Ex ia:blue)	_ _ _ 7 •
	Cable entry M20x1,5 (ALU) M25x1,5 (SS) / metal gland (Ex d devices only)	_ _ _ 8 •
	Beige plastic sun shade	_ _ _ A •
	Blind cover + gasket + screws	_ _ _ B •
	Converter VIATOR RS232 / HART	_ _ _ C •
	Converter USB / HART	_ _ _ D •

RESTRICTIONS

Restrictions Letter	Available only with		Not Available with	
	Table	Selection	Table	Selection
a			IV	___ 8
b	II	___ 0 _	II	__ H __, __ P __, __ S __, __ U __, __ V __, __ W __, __ X __, ___ 3, ___ 4, ___ 6, ___ H, ___ K,
			III	00C __, 00F __, 00L __, 00P __,
c			II	__ U __, __ V __, __ W __, __ X __,
			IV	A ___
d			IV	___ 7
e	III	300 __, 700 __, 800 __, A00 __, B00 __, C00 __, E00 __, F00 __, N00 __, P00 __, R00 __, S00 __, 0A0 __, 030 __, 0B0 __, 0C0 __, 0D0 __, 0E0 __, 0F0 __, 0G0 __, 0R0 __, 0S0 __, 0W0 __, 0X0 __, 007 __, 008 __, 000 __	II	___ C __, ___ D __, ___ E __, ___ F __,
f	II	0 ___ , 2 ___ , 3 ___ , A ___		
g			II	___ C __, ___ D __, ___ E __, ___ F __,
			III	500 __, 050 __, 060 __, 005 __, 00C __, 00F __, 00L __, 00P __
h	III	300 __, 700 __, 800 __, A00 __, B00 __, C00 __, 0A0 __, 030 __, 0B0 __, 0C0 __, 0D0 __, 0E0 __, 0F0 __, 0G0 __, 007 __, 008 __, 000 __	II	_ 3 ___ , _ 4 ___ , ___ C __, ___ D __, ___ E __, ___ F __,
i			II	3 ___ , 7 ___ , K ___
			IV	0 ___
k	III	300 __, 800 __, A00 __, B00 __, C00 __, F00 __, R00 __, S00 __, 0B0 __, 030 __, 0C0 __, 0D0 __, 0E0 __, 0F0 __, 0G0 __, 0S0 __, 0X0 __, 008 __, 000 __	II	___ C __, ___ D __, ___ E __, ___ F __,

l	II	___0_, ___1_, ___2_, ___3_, ___4_, ___5_, ___S_, ___T_	II	___F_, ___G_, ___H_, ___K_
	III	300_, 700_, 800_, A00_, B00_, C00_, 0A0_, 030_, 0B0_, 0C0_, 0D0_, 0E0_, 0F0_, 0G0_, 007_, 008_, 000_	II	_3____, _4____
m	II	___0_, ___1_, ___2_, ___3_, ___4_, ___5_, ___P_, ___R_	II	___F_, ___G_, ___H_, ___K_
	III	300_, 700_, 800_, A00_, B00_, C00_, 0A0_, 030_, 0B0_, 0C0_, 0D0_, 0E0_, 0F0_, 0G0_, 007_, 008_, 000_	II	_3____, _4____
n	III	700_, 800_, A00_, 0A0_, 0B0_, 0C0_, 0D0_, 007_, 008_, 000_	II	___F_, ___G_, ___H_, ___K_
o	II	3____, 7____, K_____	IV	0____
p	III	B00_, C00_, 000_, 0E0_, 0F0_, 0G0_	II	___F_, ___G_, ___H_, ___K_
q			IV	0____
r			IV	00__
s			IV	_0__
t	II	___0A, ___0B, ___0C	II	_3____, _4____,
	III	00C_, 00F_, 00L_, 00P_, 000_		
v			II	___C_, ___D_, ___E_, ___F_
w	III	300_, 500_, 600_, 700_, 800_, A00_, B00_, C00_, 030_, 050_, 060_, 070_, 080_, 0A0_, 0B0_, 0C0_, 0D0_, 0E0_, 0F0_, 0G0_, 005_, 006_, 007_, 008_, 000_	II	_3____, _4____, ___C_, ___D_, ___E_, ___F_
x	III	300_, 600_, 700_, 800_, A00_, B00_, C00_, 030_, 070_, 080_, 0A0_, 0B0_, 0C0_, 0D0_, 0E0_, 0F0_, 0G0_, 006_, 007_, 008_, 000_	II	_3____, _4____, ___C_, ___D_, ___E_, ___F_
y	III	300_, 800_, A00_, B00_, C00_, 030_, 0A0_, 0C0_, 0D0_, 0E0_, 0F0_, 0G0_, 008_, 000_	II	___C_, ___D_, ___E_, ___F_
z	II	___H_		
	III	00C_, 000_		