

Model Selection Guide with Price Data

Honeywell Proprietary

Model Selection Guide
36-MM-16-08 Issue 28

- Basic and fully functional wafer desing flow sensor
- Quick and easy to install and operate
- Available in sizes 3/8" to 6"
- Excellent price-performance ratio
- Excellent chemical resistance
- Maintenance free



Instructions

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

Table	I	II	III	IV	V	VI	VII	VIII
MM01	4	-	-	-	-	-	-	-

KEY NUMBER	Description	Selection	Availability
MM01		MM01	↓

TABLE I

Code flow sensor	Selection	Availability
4		•

TABLE II

Nominal diameter	Material	Notes	Selection	Availability
DN 10 / 3/8"	PFA	(for flanges DN 15 / 1/2")	5	•
DN 15 / 1/2"	PFA		6	•
DN 25 / 1"	PFA		8	•
DN 40 / 1 1/2"	PFA		B	•
DN 50 / 2"	PFA		C	•
DN 80 / 3"	PFA		E	•
DN 100 / 4"	PFA		F	•
DN 150 / 6"	PFA		H	•
Nominal pressure	PN 16	EN 1092-1 (DN 100 - DN 150)	3	h
PN 40	EN 1092-1 (DN 10 - DN 80)	[max. working pressure 16 bar]	5	r
ASME B 16.5 150 lb RF	(3/8" - 6")	[max. working pressure 232 psi]	A	•
ASME B 16.5 300 lb RF	(3/8" - 4")	[max. working pressure 232 psi]	B	•
JIS 20 K	(DN 10 - DN 100)	[max. working pressure 16 bar]	M	a
JIS 10 K	(DN 150)	[max. working pressure 10 bar]	N	b

TABLE III

Approvals	System design	Selection	Availability
None - non Ex	Compact with aluminum converter housing at converter cable mounting	0	•
FM Class 1 DIV 2	Separate with aluminum connection box 1/2" NPT cable mounting	5	q
CSA Class 1 DIV 2	Separate with aluminum connection box PF 1/2 cable mounting	C	q
	Separate with aluminum connection box M20 x 1.5 cable mounting	1	•
	Separate with stainless steel connection box 1/2" NPT cable mounting	4	•
	Separate with stainless steel connection box PF 1/2 cable mounting	5	•
	Separate with stainless steel connection box M20 x 1.5 cable mounting	6	•
		A	•
		B	•
		C	•

TABLE IV

Converter model	Mounting material	Selection	Availability
Without Converter (replacement sensor only)	Steel, galv. / Rubber sleeves	0	g
TWM 1000 C (compact design)	Stainless Steel A2 / Rubber sleeves	3	c
TWM 1000 W (wall mount DS Cable only)	Rubber sleeves	4	l
TWM 9000 C (compact design)		C	d
TWM 9000 F (field mount version)		D	g
TWM 9000 W (wall mount version)		E	g
TWM 9000 R (rack mount version)		F	g
		1	•
		2	t
		3	•

Requires a separate MSG # to be entered. Either:
MM90 MSG # 36-MM-16-05;
MM91 MSG # 36-MM-16-06;
MM92 MSG # 36-MM-16-07; or
MM95 MSG # 36-MM-16-12

TABLE V

Ring Material	Electrodes (fixed)	Selection	Availability
Stainless steel DIN 1.4404 - 316L SS (DN 10 / 3/8" - 15 / 1/2"), No Grounding ring required (DN25/1" - 150/6")	Hastelloy C22	3	•
Stainless steel DIN 1.4404- 316L SS (DN 25 / 1" - 150 / 6")		G	n
		B	v

St. steel DIN 1.4404|316 L (DN 25...150 | 1"...6")

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD 500 and the actual purchase price.

TABLE VI

Protection class /	IP 66 / 67	standard dimension	Selection	Availability
Cable	With TWM Compact converter - no cable / Other converters receive separate Double Shielded (DS) cable		0 _ _	•
	Separate BTS		_ 0 _	•
	Separate LIYCY (only for FM / CSA Class 1 DIV 2)		_ 1 _	•
	Without Cable (replacement sensor only)		_ 2 _	j
Cable length	Compact - none / separate - 5 m - 15 ft		_ Y _	y
	10 m - 30 ft		_ _ 0	•
	15 m - 45 ft		_ _ 1	•
	20 m - 60 ft		_ _ 2	•
	25 m - 75 ft		_ _ 3	•
	30 m - 90 ft		_ _ 4	•
	40 m - 120 ft		_ _ 5	•
	50 m - 150 ft		_ _ 6	•
	100 m - 300 ft		_ _ 7	•
	Without Cable (replacement sensor only)		_ _ 8	•
			_ _ Y	y

TABLE VII

Calibration	Standard	0 _ _ _ _	•
	316 / 1.4401 tagplate (120 x 46 mm) 4 lines, 25 characters each line max.	2 _ _ _ _	•
No Selection	316 / 1.4401 tagplate (67 x 25 mm) 4 lines, 25 characters each line max.	3 _ _ _ _	•
	None	_ 0 V _ _	•
Construction requirements	Standard	_ _ _ 0 _	•
QA / QC requirements	Standard	_ _ _ _ 0	•

TABLE VIII

No Selection	None	000	•
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Note 1: IP 68 factory comes with DS/LIYCY or BTS/LIYCY cables.

RESTRICTIONS

Restriction Letter	Available only with		Not available with	
	Table	Selection	Table	Selection
a			II	H _
b	II	H _		
c	III	0 1		
	VI	0 0 0		
d	III	_ 1		
	VI	0 0 0		
g	III	_ 4, _ 5, _ 6, _ A, _ B, _ C		
h	II	F _ , H _		
j	III	5 _ , C _		
l	III	0 4, 0 5, 0 6, 0 A, 0 B, 0 C		
n	II	8 _ , B _ , C _ , E _ , F _ , H A		
q	III	_ 4, _ 6, _ A, _ C		
	IV	0 _ , D _		
	VI	0 _ _		
	OR	OR		
	III	_ 1		
	IV	0 _ , C _		
r			II	F _ , H _
t			II	F 5, H 5, H B
v			II	5 _
y	IV	0 _	III	_ 1

Mounting Table			Mounting Material						
			Steel/Rubber Sleeve						
			Table IV	_ 1	_ 1	_ 1	_ 1	_ 1	
				PN16	PN40	150 lb	300 lb	JIS 20 K	JIS 10 K
			Table II	_ 3	_ 5	_ A	_ B	_ M	_ N
DN	Inch	Table II	USD	USD	USD	USD	USD	USD	USD
10	3/8"	5 _							
15	1/2"	6 _							
25	1"	8 _							
40	1 1/2"	B _							
50	2"	C _							
80	3"	E _							
100	4"	F _							
150	6"	H _							

			Stainless Steel/Rubber Sleeve						
			Table IV	_ 2	_ 2	_ 2	_ 2	_ 2	
				PN16	PN40	150 lb	300 lb	JIS 20 K	JIS 10 K
			Table II	_ 3	_ 5	_ A	_ B	_ M	_ N
DN	Inch	Table II	USD	USD	USD	USD	USD	USD	USD
10	3/8"	5 _							
15	1/2"	6 _							
25	1"	8 _							
40	1 1/2"	B _							
50	2"	C _							
80	3"	E _							
100	4"	F _							
150	6"	H _							

Cable Table:

			Length (meters)									
			Table VI	_ 0	_ 1	_ 2	_ 3	_ 4	_ 5	_ 6	_ 7	_ 8
Protection	Table VI	Cable	Table VI	5/ Compact	10	15	20	25	30	40	50	100
IP 66 / 67	0 _ _	DS	_ 0 _									
IP 66 / 67	0 _ _	BTS	_ 1 _									

Ring Table:

DN	Inch	Table II	Table V
10	3/8"	5 _	na
15	1/2"	6 _	na
25	1"	8 _	\$305
40	1.5"	B _	\$305
50	2"	C _	\$344
80	3"	E _	\$344
100	4"	F _	\$393
150	6"	H A	\$508

The minimum value of orders acceptable for Honeywell is USD 500. Handling fee is the amount of the difference between USD 500 and the actual purchase price.