

Versaflow TWM 9000 Electromagnetic Flow Converter MM 92 Modular Version

Model Selection Guide
36-MM-16-07 Issue 27

Model Selection Guide with Price Data

Honeywell Proprietary

Instructions

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

Table	I	II	III	IV	V	VI	VII	VIII	IX
MM92	4	-	-	-	-	-	-	-	-

List Price equals the sum of prices for all selections made.

KEY NUMBER	Description	Selection	Availability
MM92		MM92	↓

TABLE I		Selection	Availability
Flow Sensor	Flow Converter	4	*

TABLE II		Selection	Availability
Type	TWM 9000 C TWM 9000 F TWM 9000 R TWM 9000 W	4 H L N	* * c *

TABLE III		Selection	Availability
Power Supply	12 - 24 V DC (12 - 24 V DC) 24 V DC / AC (19 - 29 V) 100 - 230 V AC (85 - 250 V AC, 50/60 Hz)	1 4 A	* * *

TABLE IV		Selection	Availability
Hazardous Area Approvals	None - non Ex EEx zone 1 (terminal compartment "d" - C) EEx zone 1 (terminal compartment "e" - C, F) FM Class 1 DIV 2 CSA Class 1 DIV 2	0 1 2 5 C	* r s q q

TABLE V		Selection	Availability
Cable connection	3 x 1/2" NPT 3 x PF 1/2" 3 x M20 x 1,5 Terminal Strip	4 5 6 B	* * * a
Operating manual/ Language	German English US French None None None	-1 -3 -4 -5 -6 -7	* * * * * *

TABLE VI		Selection	Availability
Custody transfer	Without Water, NMI OIML R49 - non EU (C & F only)** Water, MI-001 - EU (C, F & W only)**	0 1 5	* t u
Process diagnostics	Standard Batch controlling - BC	- 0 - 4	* *

TABLE VII - Converter housing		Selection	Availability
Converter Housing	Standard Stainless steel 1.4408 Aluminum, custody transfer: sealed Stainless steel 1.4408, custody transfer: sealed	1 2 3 4	* b v v

Housing Table	Table VII	Standard	Stainless steel 1.4408
Converter	Table II	1,3	2,4
TWM 9000 C	4		
TWM 9000 F	H		
TWM 9000 R	L		
TWM 9000 W	N		

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 VIII

		Selection Availability	
No Selection	None	V _ _ _	*
Communications	Module IO: CO act. + PO act./hc (CO-active+PO-active/high current)	_ 4 _ _	g
	Module IO: CO act. + PO pas./hc (CO-active+PO-passive/high cur.)	_ 6 _ _	h
	Module IO: CO act. + PO pas./Na (CO-active+PO-passive/Namur)	_ 7 _ _	j
	Module IO: CO pas. + PO act./hc (CO-passive+PO-active/high cur.)	_ 8 _ _	k
	Module IO: CO pas. + PO pas./hc (CO-passive+PO-passive/high cur.)	_ B _ _	l
	Module IO: CO pas. + PO pas./Na (CO-passive+PO-passive/Namur)	_ C _ _	m
Fieldbus IO: Foundation Fieldbus IO: RS485 Modbus		_ E _ _	p
		_ G _ _	p
1st IO Module	No IO module	_ _ 8 _	*
	Current Output - active	_ _ A _	*
	Current Output - passive	_ _ B _	*
	Pulse Output - active / high current	_ _ C _	*
	Pulse Output - passive / high current	_ _ E _	*
	Pulse Output - passive / Namur	_ _ F _	*
	Control Input - active / high current	_ _ G _	*
	Control Input - active / Namur	_ _ H _	*
	Control Input - passive / high current	_ _ K _	*
			_ _ 8 _
		_ _ A _	f
		_ _ B _	f
		_ _ C _	f
		_ _ E _	f
		_ _ F _	f
		_ _ G _	f
		_ _ H _	f
		_ _ K _	f

TABLE IX

Reference Method	Standard Virtual reference	0 _ _	*
Tagplate	None	1 _ _	*
	316 / 1.4401 tagplate (120 x 46 mm) 4 lines, 25 characters each line max.	_ 0 _ _	*
	316 / 1.4401 tagplate (67 x 25 mm) 4 lines, 25 characters each line max.	_ 2 _ _	d
		_ 3 _ _	d
No Selection	None	_ _ 0	*

RESTRICTIONS

Restriction Letter	Available only with		Not available with	
	Table	Selection	Table	Selection
a	II	L		
b	II	4, H		
c	V	B		
d	II	H, L, N		
f			VIII	_ F _ _
g	VIII	_ _ 8 8, _ _ A 8, _ _ A A, _ _ A C, _ _ A G, _ _ C 8, _ _ C C, _ _ C G, _ _ G 8, _ _ G G		
h	VIII	_ _ 8 8, _ _ A 8, _ _ A A, _ _ A E, _ _ A K, _ _ E 8, _ _ E E, _ _ E K, _ _ K 8, _ _ K K		
j	VIII	_ _ 8 8, _ _ A 8, _ _ A A, _ _ A F, _ _ A H, _ _ F 8, _ _ F F, _ _ F H, _ _ H 8, _ _ H H		
k	VIII	_ _ 8 8, _ _ B 8, _ _ B B, _ _ B C, _ _ B G, _ _ C 8, _ _ C C, _ _ C G, _ _ G 8, _ _ G G		
l	VIII	_ _ 8 8, _ _ B 8, _ _ B B, _ _ B E, _ _ B K, _ _ E 8, _ _ E E, _ _ E K, _ _ K 8, _ _ K K		
m	VIII	_ _ 8 8, _ _ B 8, _ _ B B, _ _ B F, _ _ B H, _ _ F 8, _ _ F F, _ _ F H, _ _ H 8, _ _ H H		
p	VIII	_ _ 8 8, _ _ A 8, _ _ A A, _ _ A C, _ _ A K, _ _ C 8, _ _ C C, _ _ C K, _ _ K 8, _ _ K K		
q	II	4, H		
	V	4, 6		
r	II	4		
s	II	4, H		
t	II	4, H		
	VII	3, 4		
	VIII	V 4 8 8, V 4 C 8		
u	II	4, H, N		
	VII	3, 4		
	VIII	V 4 8 8, V 4 C 8		
v	II	4, H		
	VI	1, 5		

Note 1: Only the following combinations are available for the Communication, first I/O Module and second I/O module.

Modular I/O			Modular I/O			Modular I/O			Modular I/O		
Comm	1st	2nd	Comm	1st	2nd	Comm	1st	2nd	Comm	1st	2nd
4	8	8	6	8	8	7	8	8	8	8	8
	A	8		A	8		A	8		B	8
		A			A			A			B
		C			E			F			C
		G			K			H			G
	C	8		E	8		F	8		C	8
		C			E			F			C
		G			K			H			G
	G	8		K	8		H	8		G	8
		G			K			H			G

Modular I/O			Modular I/O		
Comm	1st	2nd	Comm	1st	2nd
B	8	8	C	8	8
	B	8		B	8
		B			B
		E			F
		K			H
	E	8		F	8
		E			F
		K			H
	K	8		H	8
		K			H

Fieldbus I/O			I/O		
Comm	1st	2nd	Comm	1st	2nd
E	8	8	G	8	8
	A	8		A	8
		A			A
		C			C
		K			K
	C	8		C	8
		C			C
		K			K
	K	8		K	8
		K			K

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