

MACHINEMATE

Handheld Operator Station (MPG)



The Handheld Operator Station provides a simple solution to the requirement for remote operator activities. This rugged pendant includes a manual pulse generator or MPG, a six-position axis select switch, a three-position feed multiplier switch, two illuminated white pushbuttons and the Emergency-stop pushbutton (push in to lock, twist out to release). The white pushbuttons come unlabeled but can be easily labeled so they could be used for axis jogging or another machine function.

This cost effective Handheld Operator Station comes in 2 models. The IO model uses a MPG that is 25 PPR and requires 2 @ 24V digital inputs to create a pulse counter. (See chart on next page.) The MPG in the Encoder model is a 100 PPR differential encoder and requires 5 Volts for its power. (PPR is pulses per revolution.)

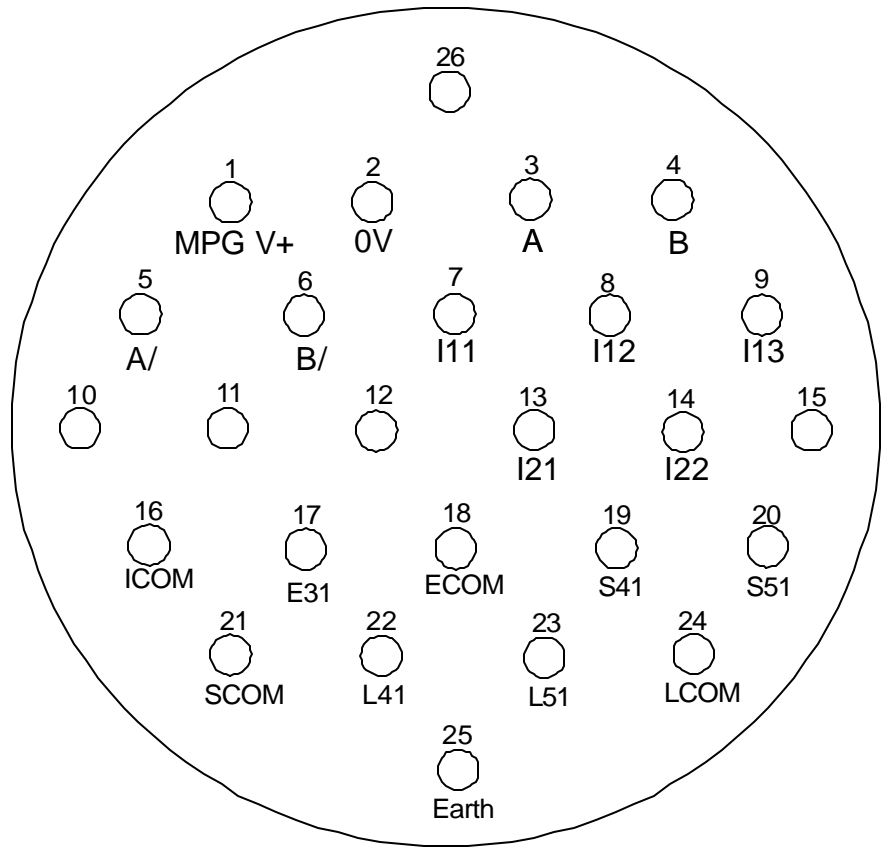


The dust and waterproof pendant (weighing 650g or less than 1.5 pounds) comes with its 3-meter flexible cord that is terminated with a 26-pin round industrial connector. The mating connector and handheld storing hook are included.

The MPG is available at the list price of \$695. Quantity discounts are available.

MachineMate MPG CONNECTION DIAGRAM

NO	SIG.	COMMENT
1	V+	MPG DC POWER (ENCODER MODEL: 5 VDC, IO MODEL: 24 VDC)
2	0V	MPG DC 0V
3	A	A PHASE
4	B	B PHASE
5	A/	A PHASE RETURN *
6	B/	B PHASE RETURN *
7	I11	000=AXIS1(X) 001=AXIS2(Y) 010=AXIS3(Z) 011=AXIS4(4) 100=AXIS5(5) 101=AXIS6(6)
8	I12	
9	I13	
10		
11		
12		
13	I21	00=RATE*1 01=RATE*10
14	I22	10=RATE*100
15		
16	ICOM	ROTARY SW COMMON ^
17	E31	EMERGENCY CONTACT
18	ECOM	EMERGENCY COMMON ^
19	S41	OPTION SW1
20	S51	OPTION SW2
21	SCOM	OPTION SW COMMON ^
22	L41	OPTION LAMP1
23	L51	OPTION LAMP2
24	LCOM	OPTION LAMP COMMON †
25		EARTH GND

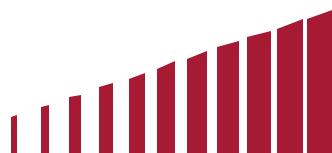


Wire Person's View

* A/ & B/ signals are connected on Encoder model only
 ^ For MachineMate 2416 MIO, the input signal COMMON connects to 24 VDC as the inputs are sink.
 † For 2416 MIO, the output signal COMMON connects to GROUND (0V) as the outputs are source.

Pulse counter for the IO model

Pulse Counter	A	B
Step 1	1	0
Step 2	1	1
Step 3	0	1
Step 4	0	0



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