

# MH Series Specifications

MECHANICAL (X & Y AXES)	
ANGLE OF MOVEMENT	50° (25° EACH DIRECTION)
EXPECTED CYCLE LIFE	5 MILLION
CENTERING	SPRING RETURN
MAX. VERTICAL LOAD	75 lbF
MAX. HORIZONTAL LOAD	24 lbF *
MATERIAL	GLASS/MINERAL FILLED NYLON

\* Measured 1.75" Above Panel Surface

MECHANICAL (Z AXIS)	
ANGLE	90° (45° EACH DIRECTION)
CENTERING	SPRING RETURN
MAX. APPLIED TORQUE	14 lbFin

ELECTRICAL	
SENSOR TYPE	HALL EFFECT
RESOLUTION	12 BIT
SUPPLY VOLTAGE	5VDC ± 0.01VDC
OUTPUT VOLTAGE	SEE OPTIONS
RETURN TO CENTER VOLTAGE	± 50mV
OVERVOLTAGE MAX.	24VDC
REVERSE POLARITY MAX.	-12VDC

ENVIRONMENTAL	
OPERATING TEMPERATURE	0°F TO 140°F
STORAGE TEMPERATURE	-40°F TO 160°F
IP SEALING ABOVE FLANGE	UP TO IP54**
EMC IMMUNITY LEVEL	EN61000-4-3 *Compliance to 30A/m
EMC EMISSIONS LEVEL	EN61000-6-3
ESD IMMUNITY LEVEL	EN61000-4-2

\*Extended Testing Levels

28AWG PIGTAIL WIRING	
RED	+5V
BLACK	GROUND
BLUE	X AXIS SENSOR
YELLOW	Y AXIS SENSOR
GREEN	Z AXIS SENSOR
ORANGE	BUTTON 1
VIOLET	BUTTON 2
WHITE	BUTTON COM



**HANDLE IP RATING	
HANDLE OPTION	IP RATING
20	IP54
21	IP50
30	IP54
31	IP50
32	IP50
40	IP54
41	IP50
42	IP50
50	IP54
51	IP50