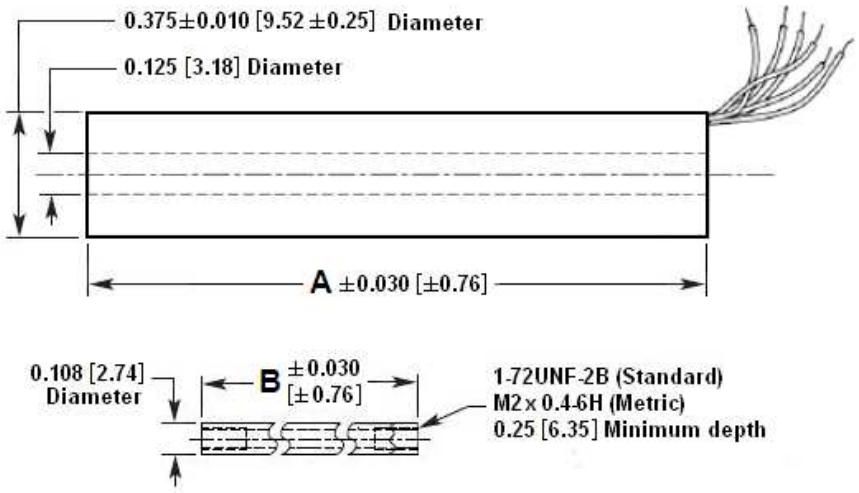
ENVIRONMENTAL SPECIFICATIONS & MATERIALS	
Operating temperature	-65°F to +300°F [-55°C to 150°C]
Shock survival	1,000 g (11ms half-sine)
Vibration tolerance	20 g up to 2KHz
Housing material	AISI 400 Series stainless steel
Electrical connection	Six lead-wires, 32 AWG stranded Copper, PTFE insulated, 1 foot [0.3m] long *(longer wires optional)*
IEC 60529 rating	IP61

Notes:
All values are nominal unless otherwise noted
Electrical specifications are for the test frequency indicated in the table
Dimensions are in inch [mm] unless otherwise noted
FR: Full Range is the stroke range, end to end; FR=2xS for ±S stroke range
FRO (Full Range Output): Algebraic difference in outputs measured at the ends of the range

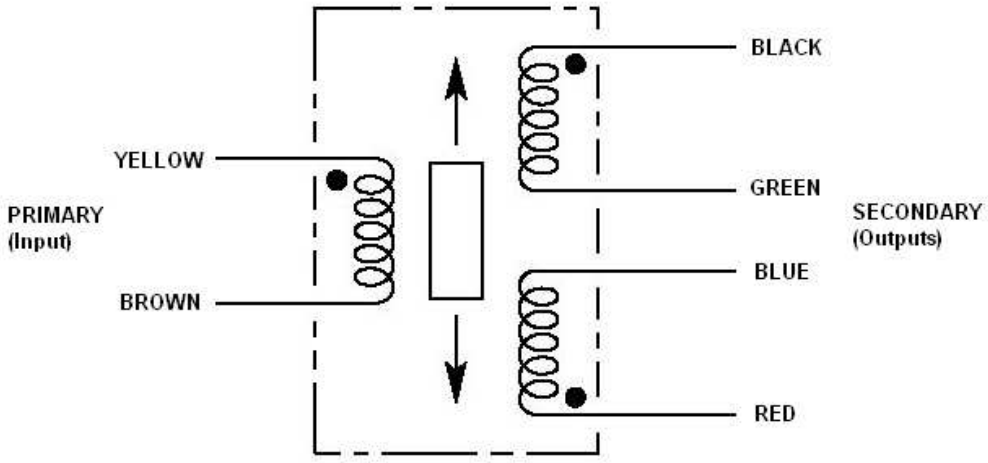
MECHANICAL SPECIFICATIONS

Parameter	MHR 005	MHR 010	MHR 025	MHR 050	MHR 100	MHR 250	MHR 500	MHR 1000	MHR 2000
Body length "A"	0.375 [9.5]	0.535 [13.6]	0.660 [16.8]	0.815 [20.7]	0.990 [25.1]	1.850 [47.0]	3.300 [83.82]	5.600 [142.2]	8.000 [203.2]
Core length "B"	0.180 [4.6]	0.233 [5.9]	0.400 [10.2]	0.500 [12.7]	0.625 [15.9]	1.125 [28.6]	2.000 [50.8]	3.000 [76.2]	3.00 [76.2]
Body weight oz [g]	0.07 [2]	0.11 [3]	0.18 [5]	0.21 [6]	0.21 [6]	0.32 [9]	0.60 [17]	0.92 [26]	1.4 [40]
Core weight oz [g]	0.004 [0.1]	0.007 [0.2]	0.016 [0.5]	0.016 [0.5]	0.025 [0.7]	0.032 [0.9]	0.056 [1.6]	0.088 [2.5]	0.088 [2.5]



Dimensions are in inch [mm]

WIRING INFORMATION



Connect Blue to Green for differential output

ORDERING INFORMATION

Description	Model	Part Number
±0.005 inch LVDT	MHR 005	02560405-000
±0.010 inch LVDT	MHR 010	02560406-000
±0.025 inch LVDT	MHR 025	02560407-000
±0.05 inch LVDT	MHR 050	02560408-000
±0.10 inch LVDT	MHR 100	02560409-000

Description	Model	Part Number
±0.25 inch LVDT	MHR 250	02560410-000
±0.5 inch LVDT	MHR 500	02560411-000
±1 inch LVDT	MHR 1000	02560412-000
±2 inch LVDT	MHR 2000	02561033-000

OPTIONS		
5.0 kHz calibration		xxxxxxxx-002
10 kHz calibration		xxxxxxxx-003
Metric threaded core		xxxxxxxx-006
10 foot long lead-wires	Consult factory	xxxxxxxx-040

Note: Add multiple option dash numbers together to determine proper ordering suffix
Example: MHR 1000, ±1 inch, with 5 kHz calibration and metric threaded core, P/N 02560412-008

ACCESSORIES	
Core connecting rod, 6 inches long, 1-72 threads	05282945-006
Core connecting rod, 12 inches long, 1-72 threads	05282945-012
Core connecting rod, 24 inches long, 1-72 threads	05282945-024
Core connecting rod, 36 inches long, 1-72 threads	05282945-036
Core connecting rod, 6 inches long, M2x0.4 metric threads	05282976-006
Core connecting rod, 12 inches long, M2x0.4 metric threads	05282976-012
Mounting block	04560954-000