



1602	IN.	CM.
C	6.50	16.50
L	2.25	5.71
N	1.00	2.50
P	3.50	8.89
U	0.37	0.95
K	0.75	1.90
A	0.34	0.86
B	4.00	10.16
D	1.75	4.44
E	1.75	4.44
F	1.00	2.50
H	0.20	0.50
J	2.38	6.03

1604	IN.	CM.
C	10	25.40
L	6	15.24
N	2	5.32
P	4	10.16
U	*1.00	2.54
K	*0.25 sq.	0.64
A	4.75	12.07
B	3.50	8.89
D	2.13	5.40
E	2	5.08
F	1.38	3.49
H	0.28	0.71

1605	IN.	CM.
C	12.75	32.39
L	7.25	18.42
N	2.75	6.99
P	4.75	11.99
U	1.50	3.81
K	0.38 sq.	0.95
A	6.25	16.51
B	4	10.16
D	2.50	6.35
E	2.63	6.67
F	1.50	3.81
H	0.41	1.03

1606	IN.	CM.
C	15.75	40.01
L	8.25	20.96
N	3.75	9.53
P	5.50	13.97
U	2.25	5.72
K	0.50 sq.	1.27
A	7	18.42
B	5.25	13.34
D	3	7.62
E	3	7.62
F	2	5.08
H	0.53	1.35

1607	IN.	CM.
C	19	48.26
L	8.75	22.23
N	5.13	13.02
P	6.50	16.51
U	3.00	7.62
K	0.75 sq.	1.91
A	8.50	24.59
B	5.50	13.97
D	3.50	8.89
E	3.50	8.89
F	2	5.08
H	0.53	1.35

\*50, 100 & 200 lb. inch units; K=3/16" sq., U=3/4".

## FEATURES :

- High overload protection with high signal output (sensitivity)
- Extended speed range
- Minimal maintenance due to "bearings only" contact
- Carrier frequency excitation provides increased signal/noise immunity

**Foot Mounting**—foot mount adapter is available for models 1604, 1605, 1606 and 1607. Foot mount is standard on model 1602.

**Speed Sensor**—a 60-tooth gear and a magnetic pickup provides an output of 60 pulses per shaft revolution. On models 1604, 1605 and 1615 for speeds less than 200 RPM, Zero Velocity Speed Sensor is recommended. On models 1606, 1607, 1641 and 1648 for speeds less than 100 RPM, Zero Velocity Speed Sensor is recommended. Zero Velocity Speed Sensor is not available on model 1602.

**Air/Oil Mist Bearings**—standard grease pack bearings should not operate for more than 200–300 hours continuous at rated speed or more than 1,000 hours at 40% of rated speed. If exceeded request air/oil mist also provides approximately 40% higher speed ratings and for the exact rating consult the factory. Some air/oil mist units vary dimensionally—consult factory for information.

## PERFORMANCE SPECS : 1602, 1604, 1605, 1606 AND 1607

### SPECIFICATIONS

#### Actual performance average:

Nonlinearity: 0.026%  
Hysteresis: 0.024%

Nonlinearity: of rated output ± 0.1%

Hysteresis: of rated output ± 0.1%

Output at rated capacity: 2

millivolts per volt, nominal

Repeatability: of rated output ± 0.05%

Zero balance: of rated output ± 1.0%

Bridge resistance: ohms nominal 350

Temperature range, compensated: °F +70 to +170

Temperature range, compensated: °C +21 to +77

Temperature range, usable: °F -20 to +200

Temperature range, usable: °C -29 to +93

Temperature effect on output: ± 0.002%

of reading per °F

Temperature effect on output: ± 0.0036%

of reading per °C

Temperature effect on zero: ± 0.002%

of rated output per °F

Temperature effect on zero: ± 0.0036%

of rated output per °C

Excitation voltage, 10 VAC max. rms: 3.28 kHz optimum

Insulation resistance, bridge/case: >5,000  
megohms at 50 VDC

Number of bridges 1

Higher accuracy versions available. Consult factory for details.

