Model Number 2305-02A		E SENSOR				
Performance		ENGLISH	SI			OF
Measurement Range(Full Scale Capacity)		500,000 lbf-in	56,492 Nm	[1]	Optional versions	s have identical spec
Sensitivity(± 15 %)(output at rated capacity)		2 mV/V	2 mV/V	[1][5]	€	except where noted be
Non-Linearity		≤ 0.1 % FS	≤ 0.1 % FS	[5]		
Hysteresis		≤ 0.1 % FS	≤ 0.1 % FS	[5]		
Non-Repeatability		≤ 0.02 % FS	≤ 0.02 % FS	[5]		
Resonant Frequency		780 Hz	780 Hz			
Maximum Torque		750,000 lbf-in	84,738 Nm			
Environmental					110750	
Overload Limit(Axial Thrust)		500,000 lbf	2224 kN	[3]	NOTES:	
Overload Limit(Overhung Moment)		250,000 lbf-in	28,246 Nm	[3]	 [1] Nominal. [2] Calibrated at 10 VDC, usable 5 tr [3] Singularly applied, i.e. no other et [4] Over compensated operating tem [5] FS - Full Scale. [6] See Drawing 26443 for Complete 	
Overload Limit(Shear)		50,000 lbf	224.4 kN	[3]		
Temperature Range(Operating)		-65 to 200 °F	-54 to 93 °C			
Temperature Range(Compensated)		+70 to 170 °F	+21 to 77 °C			
Temperature Effect on Output(Maximum)		± 0.002 %Reading/°F	± 0.0036 %Reading/°C	[4]		
Temperature Effect on Zero Balance(Maximum)		± 0.002 %FS/°F	± 0.0036 %FS/°C	[4][5]		
Electrical					CHEDITED AC	OCCOODICO:
Bridge Resistance		350 Ohm	350 Ohm	[1]	SUPPLIED ACCESSORIES: Model 181-012A PT06A-10-6S(SR)	
Excitation Voltage(Recommended)		10 VDC	10 VDC	[2]		
Insulation Resistance		5 GOhm	5 GOhm			
Zero Balance		≤ 1 %RO	≤ 1 %RO			- ·
Physical					Entered: LK	Engineer: PE
Size (Diameter x Length	1)	14.00 in x 10.50 in	355.65 mm x 266.70 mm	[6]	Date: 2/22/2018	Date: 2/22/2018
Weight	ght		102.06 kg		Date: 2/22/2010	
Mounting		Flange (1 in Bolts)	Flange (M24 Bolts)			
Torsional Stiffness		150,000 klbf-in/radian	16,947 kN-m/radian			
Sensing Element		Strain Gage	Strain Gage			
Housing Material(Sensor)		Plated Steel	Plated Steel			
Electrical Connector		PT02E-10-6P	PT02E-10-6P		@DCD!	OAD O TOD
All specifications are at a	room temperature unless oth	nerwise specified.			PCBL	<i>oad & tor</i>
			ter at the same		A Dr	CR DIEZOTRON

In the interest of constant product improvement, we reserve the right to change specifications without notice.

PTIONAL VERSIONS

ecifications and accessories as listed for the standard model below. More than one option may be used.

- to 20 VDC or VAC RMS.
- extraneous loads.
- emperature range.
- te Dimensions

(1)

Entered: LK	Engineer: PE	Sales: KH	Approved: JSD	Spec Number:
Date: 2/22/2018	Date: 2/22/2018	Date: 2/22/2018	Date: 2/22/2018	25800



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Revision: D ECN #: 47636