Model Number 2508-05A		QUE SENSOR				
Performance		ENGLISH	<u>SI</u>			
Measurement Range(Full Scale Capacity)		1000 lbf-in	113 Nm	[1]	Optional versions	have identic
Sensitivity(output at rated capacity)		2 mV/V	2 mV/V	[1][5]	e	xcept where
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		2.7 kHz	2.7 kHz			
Maximum Torque		1500 lbf-in	170 Nm			
Environmental						
Overload Limit(Axial Thr	ust)	660 lbf	2936 N	[3] NOTES:		
Overload Limit(Overhung Moment)		500 lbf-in	56.5 Nm	[3]	[1] Nominal.	10 V/DC
Overload Limit(Shear)		800 lbf	3559 N	[3]	<ul> <li>[2] Calibrated at 10 VDC, usa</li> <li>[3] Singularly applied, i.e. no of</li> <li>[4] Over compensated operat</li> <li>[5] FS - Full Scale.</li> <li>[6] See Drawing 32786 for Compensation</li> </ul>	
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					OUDDI IED AO	OFOOODII
Bridge Resistance		350 Ohm	350 Ohm	[1]	SUPPLIED ACCESSORII Model 181-012A PT06A-10-6	
Excitation Voltage(Reco	itation Voltage(Recommended)		10 VDC	[2]		
Insulation Resistance		5 GOhm	5 GOhm			
Zero Balance		≤ 1 %RO	≤ 1 %RO			
Output Polarity		CW+	cw+		Entered: LK	Engineer: F
Physical					Date: 2/22/2018	Date: 2/22/
Size (Diameter x Length	)	2.00 in x 3.00 in	50.8 mm x 76.2 mm	[6]	Date. 2/22/2010	Date. 2/22/
Weight		2 lb	908 g			
Mounting		Flange (#10-24 Bolts)	Flange (No Metric Equivalent)			
Torsional Stiffness Sensing Element Housing Material Electrical Connector		127 klbf-in/radian	14.35 kN-m/radian			
		Strain Gage	Strain Gage		®PCB LOAD &	
		Anodized Aluminum	Anodized Aluminum			
		PT02E-10-6P	PT02E-10-6P	PCB		UAU &

All specifications are at room temperature unless otherwise specified.

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

**OPTIONAL VERSIONS** 

tical specifications and accessories as listed for the standard model re noted below. More than one option may be used.

- sable 5 to 20 VDC or VAC RMS.
- o other extraneous loads.
- ating temperature range.
- Complete Dimensions

## RIES:

-6S(SR) (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	18535



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Revision: F ECN #: 47636