



**DIAMOND J, INC.**  
EXCEEDANCE MONITORING INSTRUMENTS

# MD 500

EXCEEDANCE TEMPERATURE, TORQUE

Be Safe Fly Smart

with

Diamond J's Exceedance Monitoring

## SALIENT FEATURE



PN 61000-034  
STC SR00031LB



PN 65100-036  
TSO C47

- ◆ DIGITAL DESIGN - MICROPROCESSOR CONTROLLED
- ◆ FAA TSO (TECHNICAL STANDARD ORDER) APPROVED
- ◆ ACCURACY  $\pm 0.5^{\circ}\text{C}$  (TOT) or  $\pm 0.5\%$  (TRQ) OVER THE INDICATOR'S LIFE & TEMPERATURE RANGE OF  $-40$  TO  $+70^{\circ}\text{C}$
- ◆ DIGITAL RESOLUTION  $\pm 1^{\circ}\text{C}$  (T4) or  $\pm 0.1\%$  (TRQ)
- ◆ POWER REQUIREMENTS - 28 VDC - 160 mA MAX  
INDICATOR OPERATES CORRECTLY AT 10 TO 40VDC
- ◆ MTBF 30,000 HOURS - IN SERVICE PROVEN
- ◆ THE ANALOG POINTER IS DRIVEN BY A HIGH RESOLUTION STEPPER MOTOR WITH 100,000 HOURS MTBF
- ◆ TOT NEEDS NO ADJUSTMENT OR CALIBRATION FOR THE LIFE OF THE INDICATORS
- ◆ A SEMI-AUTOMATIC TORQUE CALIBRATION SYSTEM - SAVING SIGNIFICANT MAINTENANCE MAN HOURS
- ◆ POSITIVE FAILURE INDICATION OF SIGNAL AND/OR POWER
- ◆ MODULAR DESIGN OF HARDWARE & SOFTWARE
- ◆ SUN LIGHT READABLE
- ◆ LONG LIFE LED DIGITAL DISPLAY
- ◆ OPTIONAL NVG COMPATIBLE
- ◆ SOLID STATE TORQUE PRESSURE TRANSDUCER

## EXCEEDANCE MONITORING ADVANTAGES

- ◆ PRE-WARNS FLIGHT CREW OF POTENTIAL EXCEEDANCE WITH DIGITAL ACCURACY OF  $\pm 0.5\%$
- ◆ ELIMINATES COSTLY, UNNECESSARY INSPECTIONS AND REPAIRS WITH EXCEEDANCE PLAYBACK

FOR ADDITIONAL INFORMATION CONTACT JASON HARRIS

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