ACES TraX

Model 550

The ACES Systems TraX is a state-of-the-art, semi-permanently mounted optical camera that automates the task of obtaining accurate blade track data when used in conjunction with certain ACES Systems' analyzers.

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CONVENIENT

- Requires nothing be added to the blades (no tip targets)
- Hands-free operation
- No aiming required during flight
- Fast measurement time
  (Approximately 4 seconds for 25 rotations)
- Quick and easy mounting without hardware

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ACCURATE

- Reports track differences down to 0.1"
- Reports lead/lag differences down to 0.1"

VERSATILE

The instrument provides tip path measurements without the use of tip targets or stroboscopic lights. If the aircraft has tip targets installed, you are not required to remove them in order to utilize the ACES TraX.

RUGGED

Key components of the ACES TraX include a rugged black ABS plastic body with an integrated cable and adjustable mount assembly with integral suction cup.

ADVANTAGES:

- Hands-free operation
- Requires no tip targets to the main rotor
- No aiming required during flight
- Fast measurements
  (~ 4 seconds per 25 rotations)
- Simple mounting, no hardware

ACES SYSTEMS

ACES TraX Specifications

OPTICAL SENSORS:

- Dual sensors measure blade pass timing to determine track
- Designed for all shapes and blade colors
- Automatically adjusts to differently-aged blades
- Measures up to 6 blades on almost any airframe

• Dimensions

13” x 13” x 4”

• Weight

10.6 ounces (300 grams)

• Visual Indicators

Power, Tach, Ready

• Environmental Requirements:

- Operating Temperature: -20° to 185°F (-29° to 85°C)
- Storage Temperature: -40° to 185°F (-40° to 85°C)
- Relative Humidity: 5% to 95% non-condensing

• TraX compatible with ACES Analyzers:

- 2020HR
- COBRA II
- VIPER II

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