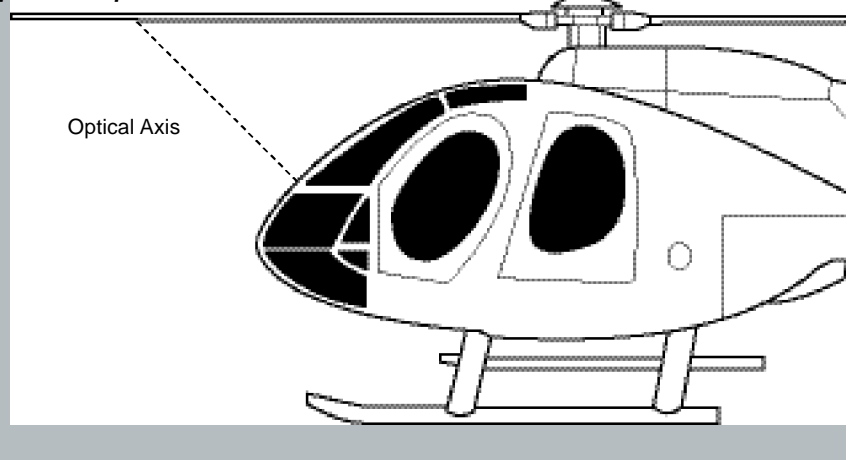


**“No Hands”  
Helicopter Blade Tracking**

# Chadwick FasTrak™ Optical Tracker

The Chadwick FasTrak™ day and night optical blade tracker provides blade track and lead/lag automatically - without operator interpretation. Chadwick FasTrak™ is part of the Chadwick 8500C and VXP systems. Mounted on the fuselage, the Chadwick FasTrak™ is oriented upward toward the underside of the rotating blades. It views each blade from each rotor through a ten degree window and operates on the principle that a high-flying blade will remain in the field of view longer than a low flying blade. Installation and operation with Honeywell systems are straightforward, using aircraft specific brackets and software.

## Typical Optical Tracker Installation



## Specifications

Weight	1.1 lbs.
Dimensions	5.1" high x 3.6" diameter
Environments	Day & Night
Resolution	1 mm
Track Accuracy	±5% of reading
Lead/Lag Accuracy	±5% of reading
Temperature Range	Operating: -40° to +70° C
(To DO-160, Section 4, Category A3)	Storage: -55° to +85° C
	Altitude: 30,000 ft.
Relative Humidity	(To DO-160C, Section 6, Category B to 95%, altitude 30,000 ft.)
Shock & Vibration	Shock: DO-160C, Section 7 Crash: DO-160C, Section 7 Vibration: DO-160C, Section 8
Power Requirements	Voltage Tolerance: +1v (from nominal)
(Powered from a 12Vdc supply with ground return isolated from A/C power ground and chassis ground)	Voltage Ripple: less than 30mV peak
	Current requirements: Passive - less than 50mA; Active - less than 300mA

*Specifications subject to change without notice*

## Find out more

For more information, visit us online at  
<http://dsi-hums.com>

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