

GRT EFIS SYSTEMS

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For over 22 years, Grand Rapids Technologies' EIS engine monitor has proven itself in most every aircraft engine installation from the most basic 2-stroke engines to turbines. It can be used as a stand-alone system in aircraft without an EFIS display, or an integral part of a GRT Avionics "glass cockpit" EFIS graphical engine display. EIS provides critical engine data and warnings that could save your life. Basic

packages come with wiring harnesses and engine probes recommended by the engine manufacturer, including CHT, EGT, and oil pressure/temperature if sensors do not normally come with the engine. Advanced packages include all of the Basic probes plus fuel flow, current sensor, and manifold pressure. Visit www.aircraftspruce.com for more information on packages and probes. Lifetime warranty for manufacturer defects.

Description	Model	Part No.	Price
Lyc/Cont. Package, 4-cylinder, Basic	EIS-4K-LYC-BAS-PKG	11-11745	\$1,175.00
Lyc/Cont Package, 4-cylinder, Advanced	EIS-4K-LYC-ADV-PKG	11-11746	\$1,750.00
Lyc/Cont. Package, 6-cylinder, Basic	EIS-6K-LYC-BAS-PKG	11-11748	\$1,377.00
Lyc/Cont Package, 6-cylinder, Advanced	EIS-6K-LYC-ADV-PKG	11-11749	\$1,917.00
Jabiru 2200 Package, Basic	EIS-4K-JAB-BAS-PKG	11-11751	\$1,001.00
Jabiru 2200 Package, Advanced	EIS-4K-JAB-ADV-PKG	11-11752	\$1,422.00
Jabiru 3300 Package, Basic	EIS-6K-JAB-BAS-PKG	11-11753	\$1,094.00
Jabiru 3300 Package, Advanced	EIS-6K-JAB-ADV-PKG	11-11754	\$1,515.00
Rotax 912/914 Package, Basic	EIS-4K-RTX-BAS-PKG	11-11755	\$999.00
Rotax 912/914 Package, Advanced	EIS-4K-RTX-ADV-PKG	11-11756	\$1,588.00
Viking Package, Basic	EIS-4K-VIK-BAS-PKG	11-11757	\$901.00
Viking Package, Advanced	EIS-4K-VIK-ADV-PKG	11-11758	\$1,111.00
UL Power Package, Basic	EIS-4K-ULP-BAS-PKG	11-11759	\$1,263.00
UL Power Package, Advanced	EIS-4K-ULP-ADV-PKG	11-11760	\$1,401.00
UL Advanced Package, 6 cylinder (Includes Basic + pulse FF)	EIS-6K-ULP-ADV-PKG0	11-16025	\$1,558.00
UL Basic Package, 6 cylinder (6 bayonet CHT, 4 EGT, 50-amp CS, OP, FP)	EIS-6K-ULP-BAS-PKG	11-16026	\$1,475.00
Corvaire Package, Basic	EIS-6K-CORV-BAS-PKG	11-11761	\$1,181.00
Corvaire Package, Advanced	EIS-6K-CORV-ADV-PKG	11-11762	\$1,740.00
Corvaire Package, Simple (6 CHT, 6 EGT, OT, OP, FP)	EIS-2K-CORV-SIM-PKG	11-16055	\$675.00

GRT AVIONICS AUTOPILOT SERVOS



Digital CNC machined servos add autopilot functionality to any GRT Avionics EFIS System. Heading select, VOR/GPS tracking, ILS and GPS precision approach coupling*, climb/descent to selected altitude using preset IAS or VS*, automatic approach capture. Pitch servo torque sensing provides Trim Up/Trim Down indication. Clutchless design with shearable output arm provides fail-safe mechanical method of freeing flight controls in the unlikely event of servo jam. 12-29V. Standard torque suitable for RV & most 2-place kitplanes. High torque for 4-place aircraft. Specify aircraft type when ordering. *Standard a/p features on HX and HXR. Sport requires Vertical Commands software.

Description	Part No.	Price
Roll Servo, standard torque. 1.0 Amp, 2.25 lbs	11-09791	\$750.00
Pitch Servo, standard torque. 1.0 Amp, 2.25 lbs	11-09792	\$750.00
Roll Servo, high torque. 2.0 Amp, 2.25 lbs	11-11763	\$845.00
Pitch Servo, high torque 2.0 Amp, 2.25 lbs	11-11764	\$845.00
Roll Servo wiring harness	11-11766	\$26.80
Servo Mount Kit- Specify type of aircraft	11-11767	\$65.00

GRT SENSORS AND PROBES & ACCESSORIES

Description	Model	Part No.	Price
Small EGT probe fits exhaust pipes from 1-2" dia.	EGT-HCS-01	11-09535	\$43.00
Large EGT probe fits exhaust pipes from 1.5-2.5" dia.	EGT-HC-01	11-09533	\$43.00
8 mm compression-style EGT probe. Includes compression fitting.	EGT-CF-01	11-09534	\$43.00
Current sensor, +/- 100 AMP. Suitable for aircraft with 60 amp alternators.	CS-01	11-06276	\$83.00
Current Sensor +/- 50AMP. Suitable for aircraft with Rotax, Jabiru, and others with light duty charging systems.	CS-02	11-07224	\$71.00
Manifold pressure sensor, 0-51 in. Hg. For turbo-charged engines.	MAP-02	11-09542	\$83.00
CNC Machined, Black Powdercoat to match EFIS	EIS-BEXEL	11-11467	\$105.00
Bayonet-style CHT probe. Used mostly with Lycoming and Continental engines.	CHT-BAY-01	11-09538	\$43.00
Replacement threaded adapter for bayonet style CHT probes.	BHT-ADP-01	11-09539	\$6.50
Ring style CHT probe with 4 mm ring. Suitable for some Rotax installations.	CHT-04-01	11-11468	\$18.00
Ring style CHT probe with 10 mm ring. Suitable for Rotax 912/914 installations.	CHT-10-01	15-06432	\$18.85
Ring style CHT probe with 12 mm ring. Suitable for Jabiru installations.	CHT-12-01	11-11469	\$18.75
Ring style CHT probe with 14 mm ring. Suitable for many 2-stroke engines including Rotax & Zenoh.	CHT-14-01	11-09537	\$18.85
Ring style CHT probe with 18 mm ring. Suitable for Continental engines without Bayonet CHT ports.	CHT-18-01	11-09536	\$18.25
Pressure Senders for oil & coolant Ranges from 0-80 psi to 0-150 psi	HPS-01	11-11470	\$50.00
Pressure Senders for oil & coolant Ranges from 0-80 psi to 0-150 psi	HPS-02	11-06423	\$50.00
Coolant pressure sender 0-28 psi	LPS-02	11-09543	\$50.00
Fluid Temperature Probe - 1/8-27 threads	FT-1827-02	11-09540	\$25.00
Oil Temperature Probe - Lycoming & Continental. For use with older GRT EIS models.	FT-LC-01	11-09541	\$42.00
EIS Outside air temp probe. Wire to either EIS or EFIS.	OAT-02	15-05248	\$26.00
Oil Temperature Probe. Wire to either EIS or EFIS. Included with the EFIS system.	OAT-03	11-11227	\$94.00
Coolant pressure sender 0-28 psi. Recommended for Carbureted Engines.	LPS-02	11-09543	\$50.00
0-100 psi fuel pressure sender. Recommended for fuel injected engines.	HPS-SS-01	11-09545	\$156.00
Machined brass probe works with most carburetors except Bing.	CARB-01	11-06273	\$32.00
Princeton capacitive fuel level probe with 2 set points. For rectangular or airfoil shaped tanks with linear interpolation between the set points.	FL-PE-01	11-09544	\$89.95
Princeton capacitive fuel level probe with 5 set points. For irregularly-shaped tanks. Works with Van's capacitive plates.	FL-PE-ADV	11-11848	\$135.99
Capacitive Fuel Level Probe - Standard, 5 set point, PF or FM mounting	---	10-00258	\$139.95

GRAND RAPIDS MINI-GA PORTABLE EFIS



The Mini is not a compromised instrument. It is a complete EFIS capable of synthetic vision, with a GPS navigator, and incorporating the same technology that made GRT famous for its high-integrity AHRS. It is completely suitable as the primary instrument in your panel or as a backup.

The Mini includes an electronic attitude source (AHRS) that is not dependent on GPS and/or air data. IFR certifiable altitude, vertical speed, and airspeed are boldly shown with tapes and smoothly rotating drum-style digital displays that

instinctively convey value and trend. Internal or external GPS navigation and steering data is provided on the PFD, and the -X and -AP variations include highway-in-the sky guidance to any runway in the database. The addition of the external magnetometer adds heading and winds.

The primary flight display screen terrain showing relative height. In the upper left the autopilot/flight director mode is shown as synthetic approach to runway 35. The flight director is commanding a slight pitch down in the center of the screen. The airspeed and altimeter drums move smoothly and the high-contrast digits make them highly readable. Extending up from the runway is the way-point balloon.

Features: • Primary or Backup for Attitude / Heading / Track / Airspeed / Altitude / VSI • 1200 nit sun-readable display. Dimmable to less than 10 nits for night flying • Highly readable airspeed/altimeter tapes and rotating drum-style digital display • Free database updates for all US territory. Jeppesen databases available worldwide • Simple installation. Power, ground and mount GPS antenna on your dash • Incorporates a full AHRS solution that does not require GPS or air data to provide attitude data • Provides automatic cross-checking of attitude data when connected to a GRT EFIS • High accuracy pitot static sensors allows accurate airspeed readings to less than 20 mph, making the Mini suitable for any airplane, helicopter, or ultralight • Includes voltmeter, true airspeed, slip ball, and more • Includes Trig TT22 transponder control head functions. Saves up to \$500 over separate control head • Fully functional from -10 to +160° F • 9-30Vdc input power. 0.25 amps max (0.7 amps while charging) • Case CNC machined from aluminum billet.

P/N 11-14250 \$1,650.00

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