

MGL AVIONICS

MGL STRATOMASTER EFIS



The Stratomaster is a comprehensive flight, engine and navigation instrument designed for Experimental and Light Sport aircraft. The large amount of flexibility built into the base system allows the adaptation of the Stratomaster to almost any mission and aircraft. Due to low system cost, Stratomaster is equally suited to very light aircraft, gliders and rotorcraft, while providing enough flexibility to be utilized by even twin-engine aircraft with

full dual engine monitoring. **Please note: Select RDAC model and engine senders for engine functions, and select Attitude/Heading sensors (SP-4 and SP-2) for AHRS functions.**

STRATOMASTER EFIS SYSTEMS			
Model	Description	Part No.	Price
Odyssey	Odyssey 10.-4", including GPS and antenna	11-05835	\$3,900.00
Voyager	Voyager 8.4", including GPS and antenna	11-06963	\$3,900.00
SENDERS			
Model	Description	Part No.	Price
CHT10	Type-K CHT Thermocouple, 10mm spark plug	11-05561	\$35.00
CHT12	Type-K CHT Thermocouple, 12mm spark plug	11-05562	\$35.00
CHT14	Type-K CHT Thermocouple, 14mm spark plug	11-05563	\$35.00
CHT18	Type-K CHT Thermocouple, 18mm spark plug	11-05564	\$35.00
CHT Bayo	Type-K CHT Therm. bayonet-style 3/8"-24	11-05565	\$35.00
EGT	Type-K EGT Thermocouple, M8 x 1 thread	11-05567	\$45.00
EGT Clamp Lg	Type-K EGT Therm., Clamp-Type Lg. (<1.5" dia)	11-05568	\$50.00
EGT Clamp Sm	Type-K EGT Therm., Clamp-Type Sm. (>1.5" dia)	11-07842	\$50.00
Water temp.	Water Temperature Sender	11-05566	\$18.00
Prec. Sender	Precision Water/Oil Temperature Probe	11-05570	\$35.00
Oil Temp	Oil Temp., 5/8-18 UNF thread (Lyc/Cont)	11-08070	\$49.50
OP-VDO	Oil Pressure 150 PSI, VDO 360-004	11-08066	\$45.00
FT-60	Fuel Flow Sensor (Fuel Pump)	10-01196	\$131.75
FT-90	Fuel Flow Sensor (Gravity Fed)	10-01224	\$249.00
201A-6	Floscan 201A-6 Fuel Flow Sensor 30 GPH "A"	11-08071	\$210.00
201B-6	Floscan 201B-6 Fuel Flow Sensor 60 GPH "B"	11-08072	\$210.00
201C-6	Floscan 201C-6 Fuel Flow Sensor 80 GPH "C"	11-08073	\$210.00
FP-100 UMA	Fuel Pressure 100 PSI (fuel injected engines)	11-08067	\$110.00
FP-35 UMA	Fuel Pressure 35 PSI (carbureted engines)	11-08068	\$110.00
N1EU07G-M	Fuel Pressure Sender 7 PSI (for MGL System)	10-04939	\$112.75
FP 7 PSI UMA	Fuel Pressure 7 PSI (Rotax/Jabiru engines)	11-08337	\$111.95
CNV-AT	Serial to Parallel Converter - Ultra/Infinity Sngl	11-05723	\$125.00
GT1	Gear Tooth Speed Sensor	11-05725	\$85.00
MNEA Cab	NMEA to Airtalk Cable for fuel computer	11-08331	\$34.95
Ferrite	EMI Ferrite Bead Interference Suppressor	11-08064	\$6.00
Ferrite - Clip	EMI Ferrite Bead Interference Suppressor Clip-on	11-08332	\$12.50
Batt 12v 1.2Ah	12V 1.2Ah Backup Btty - Sealed Lead-Acid	11-08065	\$29.95
Batt 12v 2.5Ah	12V 2.5Ah Backup Btty - Sealed Lead-Acid	11-08065	\$29.95
Tach-Slick	UMA Tach Pickup for Slick Magns	11-08334	\$96.75
Tach-Bendix	UMA Tach Pickup for Bendix Magns	11-08335	\$96.75
SD 1GB	1GB SD Card with North American Databases	11-05569	\$50.00
Shunt	50mV Shunt - 50 Amp	11-08330	\$20.00
CAP	10,000uF / 25V Electrolytic Capacitor	11-05724	\$6.50
Transorb	33V High Speed transorb	11-05727	\$6.00

MGL ENIGMA MKIII

The "Enigma MKIII" is based on the iEFIS Discovery and shares its housing and large 7" high resolution screen. It has about the same outside dimensions as the original Enigma, but it is a completely different system. It will be fully self-contained (no iBox) and features a built-in Attitude Gyro. It provides two RS232 ports and a CAN-interface for connection to RDAC, compass and other devices. It contains a built-in GPS and full pitot/static sensors. The software is based on a simplified version of the iEFIS and is aimed at providing simple installation and simple operation. Only GPS navigation is supported. The Autopilot is included. The Enigma MKIII effectively fits between the XTreme mini EFIS and the iEFIS Discovery.

AVAILABLE LATE 2013. CALL FOR PRICE.

MGL MAGNETIC CURRENT MEASUREMENT SENSOR



This sensor can be used to measure DC currents in aircraft power systems in a wide range from less than 4A to as high as 120A depending on installation and configuration. The sensor connects to an EFIS system via spare RDAC inputs. Inputs CHT1, CHT2, oil pressure or oil temperature

can be used and these can also be used on a second RDAC unit (consider a low cost RDAC VD as second RDAC if required). G1 and G2 EFIS systems can support up to 4 of these sensors while Enigma can support 2.

P/N 11-10422 \$49.75



MGL AVIONICS SERVO

MGL Avionics Servo with a generic hardware and pushrod kit.

P/N 11-10423 \$995.00

MGL IEFIS EXPLORER



The Explorer EFIS introduces a custom developed touch pressure sensitive LCD screen aimed exclusively at the small aircraft application. With the ability to accurately measure contact force in all conditions, it becomes possible to utilize the user interface advantages of a touch screen even in turbulent flight.

Unlike conventional touch screen technology, MGL's "tap screen" can be used with gloves, is completely unaffected by sunlight and even uses a polarized anti reflective and anti glare film. The tap screen uses only high quality optical glass in its construction and thus has no negative effects on the image quality, even in difficult light conditions. The tap screen is further qualified for zero pressure conditions such as experienced in space and is not affected by sudden, large pressure changes.

Recognizing that some operations can never be fully replaced by a touch screen, the Explorer adds no less than 5 "clickable" rotary controls which assume functions depending on current need plus adds conventional, tactile buttons for quick access to often used functions regardless of what appears on the screen.

Description	Part No.	Price
MGL IEFIS Explorer 8.5" Touchscreen	11-10816	\$2,500.00
Accessories		
Description	Part No.	Price
MGL IBOX	11-10826	\$1,097.00
MGL IEFIS Explorer Harness Kit	11-10827	\$249.95
Ibox Harness for SP-6/SP-7	11-11230	\$270.00
Servo Harness for Two Devices	11-11231	\$190.00
RDAC XF with Can Bus Harness	11-11232	\$90.00
EI FT 60 Fuel Flow Transducer For < 350hp / Fuel Pump	10-01196	\$131.75
Westach Temp Probe 5/8-18 THD 1" Tip 4 Lead 399s9 Non Tso	10-01236	\$49.50
MGL CHT Bayonet 3/8"-24 TYPE K	11-05565	\$35.00
MGL EGT Thermocouple Clamp Small	11-07842	\$50.00
VDO Oil Pressure Sender 150PSI	11-08066	\$45.00
MGL Tach Pick Up For Slick Mag	11-08334	\$96.75
MGL SP-7 Std Attitude Sensor	11-09743	\$800.00
MGL SP-6 Magnetometer Sensor	11-09744	\$260.00
MGL RDAC XF MAP 12 Thermocouple Channels With Map	11-10676	\$345.00

MGL RDAC OPTIONS

RDAC VD	RDAC VD, 4-Channel Thermocouples	11-05554	\$160.00
RDAC VT	RDAC VT, 4-Channel Therm for Turbine Engines	11-05553	\$165.00
RDAC-XF	MGL RDAC XF 12 Thermocouple Cannels	11-10674	\$315.00
RDAC-XF MAP	MGL RDAC XF 12 Thermocouple Cannels with Map	11-10676	\$345.00
RDAC-CAN	MGL RDAC for Rotax 912IS Engine	11-11296	\$215.95
IOX	In/Out Extender	11-08336	\$209.95

AHRS ATTITUDE / HEADING SENSORS

SP-5	SP-5 Advanced Attitude Sensor (Horizon)	11-06554	\$2,150.00
SP-6	SP-6 Magnetometer Sensor (Compass)	11-09744	\$260.00
SP-7	SP-7 Standard Attitude Sensor (Horizon)	11-09743	\$800.00

STRATOMASTER 2-1/4" INFINITY SINGLES

ALT-1	Encoding Altimeter	11-05702	\$310.00
ALT-2	Encoding RS232 Altimeter	11-05703	\$320.00
ASI-1	Airspeed Indicator	11-05704	\$280.00
ASX-1	Encoding Altimeter / Airspeed Indicator	11-05705	\$350.00
AV-1	AHRS Display	11-05706	\$215.00
BAT-1	Battery Voltage / Current Monitor Inc 50 Amp Shunt	11-05707	\$245.00
E3 EMS	Engine Monitoring System	11-06442	\$280.00
FF-1	Fuel Computer	11-05713	\$265.00
GF-1	G-Force Indicator	11-05715	\$240.00
MAP-1	Universal Pressure Indicator	11-05716	\$270.00
RTC-2	Aviation Real Time Clock	11-06443	\$225.00
RV-1	Universal RPM Indicator	11-05717	\$225.00
RV-2	Turbine RPM Indicator	11-05718	\$225.00
TC-1	4-Channel Thermocouple Temp	11-05719	\$250.00
TP-1	Universal Temp/Press Display	11-05720	\$215.00

STRATOMASTER 3-1/8" VELOCITY SINGLES

ALT-3	Altimeter	11-05572	\$325.00
ALT-4	Encoding Altimeter (Gillman Code)	11-05684	\$350.00
ASI-3	Airspeed Indicator	11-05573	\$300.00
ASX-2	Altimeter / Airspeed Indicator	11-05687	\$355.00
AV-2	AHRS Display (Requires SP-2 & SP-4)	11-05690	\$235.00
E1-EMS	Engine Monitor System	11-05578	\$315.00
FF-3	Fuel Computer	11-05576	\$275.00
Flight-2	Primary Flight Display	11-05575	\$420.00
GF-2	G-Force Indicator	11-05693	\$260.00
MAP-2	Manifold Pressure / RPM	11-05695	\$285.00
ROTOR-1	Rotor / Engine Tach	11-07812	\$255.00
RTC-1	Aviation Real Time Clock	11-05696	\$220.00
RV-3	Universal RPM Indicator	11-05697	\$230.00
TC-2	4-Channel Thermocouple Temp	11-05698	\$255.00
TC-3	12-Channel Thermocouple Temp	11-05699	\$340.00
TP-2	Universal Temp/ Press Display	11-05701	\$225.00