

INSTRUMENTS • GAUGES

CONTENTS

Aerometer.....	222
Ammeters.....	222
Compasses.....	222
Fuel Gauges.....	224
Miscellaneous Instruments.....	224
Oil Gauges.....	224
Tachometers and Cables.....	225
Thermocouples.....	226
Thermometer.....	226
Turn and Bank.....	226
Venturi.....	226

Aerometer

FAA/PMA
APPROVED

What is Aerometer?

Aerometer is an FAA/PMA approved device that electrically activates an existing hourmeter when the forward motion of the aircraft exceeds 27 mph IAS.



What is Aircraft Time In Service?

As defined by FAR Part 1, "Time In Service, with respect to maintenance time records, means the time from the moment an aircraft leaves the surface of the earth until it touches at the next point of landing."

Why track Aircraft Time In Service?

Aerometer accurately tracks Aircraft Time In Service, not time spent taxiing, warming up, or waiting for clearances. By accurately tracking Aircraft Time In Service, you are guaranteed:

- To produce more revenue flight hours between 100 hour inspections.
- To generate more revenue hours between mandatory engine and prop TBOs.
- To extend the revenue generating period for life limited components.

Who should use Aerometer?

Any light aircraft can benefit from Aerometer! Charter operations and flight schools who customarily bill from the flight hour recorder can still take advantage of Aerometer. Simply install a second hour meter to track Time In Service in conjunction with Aerometer.

Is it easy to install?

Aerometer comes complete in kit form and can be installed in most aircraft in under 2 hours. Installation of this device requires no structural or sheet metal modification.

The Aerometer is available in comprehensive kit form with all the necessary components, STC paperwork and complete installation instructions.

Kit for Single Engine Cessna Aircraft..... AEROMETER-PLUS..... **\$324.95**
Kit for Single Engine Piper Aircraft..... AEROMETER-PIP..... **\$199.95**

Ammeters

Deluxe Ammeter (Lighted)

- 30-0-30 amps
- 2 1/16 inch diameter case
- Light, mounting bracket, and instructions included

Deluxe Ammeter.....82310.....**\$57.91**



Standard Ammeter (Unlighted)

- 2 1/16 inch diameter case
- Mounting bracket and instructions included

Ammeter, 30-0-30 amps..... 82200..... **\$48.14**

Ammeter, 60-0-60 amps..... 82311..... **\$45.57**



Compasses

Airpath Compass Parts

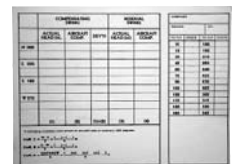
Diaphragm.....	C21-100.....	\$17.81
Deviation Card Holder.....	C23-805.....	\$1.98
Deviation Card Window.....	C23-806.....	\$0.74
Deviation Card.....	C23-807.....	\$0.52
Jewel Post.....	CB21-232.....	\$3.56
Glass Compas Lens.....	CB21-913X.....	\$24.52
Bezel Sealing Gasket.....	CB21-914H.....	\$9.41
Bezel Spacer Gasket.....	CB21-915G.....	\$1.83

Compass Correction Card..... AN5823-1.....**\$1.29**

- Bristol board
- 6 1/4 inches wide by 4 3/4 inches high

Compass Fluid..... PR10031.....**\$2.78**

- Mineral spirits, sold in quarts



Airpath Compass Application Chart

Aircraft Applicability	Remarks	OEM Part #	Airpath Model #	Price
Aero Commander, 1955 to 1961	C-2400 L4VT-1A replaces C-2400 L4VF	—	C-2400L4VT-1A	\$140.96
Aero Commander, after 1961		—	C-2400L4VT-1A	\$140.96
Aero Commander	24 volts; red lighted; deviation card holder permanently mounted on compass face	—	C-2400L4VT-1A	\$140.96
Beech 35, after 1955	12 volt removable card and compensator adjustment screw cover; add (-B) for white lighting	—	C2400L4VT-35-50	\$98.35
Beech 50	Matte white dial finish Same as Beech 35	— —	C2400L4VT-35-50 C2400L4VF-35-50	\$98.35 \$272.19
Bellanca Champ	—	—	C-2300	\$179.15
Bellanca Decathlon	C-2300-DL4 replaces C-2300DL	—	C-2350L4M-23B	\$217.28
Bellanca Viking	—	—	C-2400-L4P	\$264.86
Bell Helicopter	24 volts; red lighted	—	C-2300-DL4	\$132.50
Cessna 120, 140, 170	—	—	C-2300	\$179.15
Cessna 172, 1957 to March 1969	—	0713068-2	C-2300-L4I	CALL
Cessna 172, 180, 182 before 1957	C-2300-DL4 replaces C-2300DL	0411008-2	C-2300-DL4	\$132.50
Cessna 182, 1957 to 1965	Cessna part number 0713068-1	—	C-2350-L4I	\$248.34
Cessna 182, after 1965	12 volts; no mounting ears – fits Cessna bonded bracket and holder	C660501-0101	C-2200-L4	\$290.56
Cessna 182, after 1965	24 volts	C660501-0102	C-2200-L4	\$290.56
Cessna 310, October 1957 to December 1960	C-2400-L4VW-310-RG replaces L4VF-310-RG	0813611-2	C2400L4VW310RG	\$115.80
Hughes Helicopter	12 volts; detachable bracket; 2 lower mounting ears removed for visibility	269A 4604-B	C-2300-L4I	CALL
Luscombe	—	—	C-2300	\$179.15
Mooney Mark 20 and 20A	—	—	C-2350DL4-VFM	\$98.50
Navion, Single Engine	Modified to 13° tilt for Luscombe Sedan	—	C-2300	\$179.15
Piper Apache, after July 1957	2 lower mounting ears removed for visibility	450-714	C-2400-L4VT	\$383.08
Piper Cherokee, after January 1961	—	—	C-2350-L4I	\$248.34
Piper Comanche, before April 1960	C-2400-L4P replaces C-2400-LP	450-712	C-2400-L4P	\$264.86
Piper Comanche, after April 1960	—	450-739	C-2350L4M23-12V	\$240.63
Piper Pacer	Shock mounted overhead type bracket – removable combination card and compensator adjustment screw cover	—	C-2400-L4P	\$264.86
Piper PA-18	—	450-628	C-2300	\$179.15
Travelaire	AN type compensator; metallic bellows expansion units; specify 12 or 24 volt	—	C-2400-L4VT-95	\$92.11



(C-2400C)

C2400L4VT-35-50 **\$98.35**



C-2300-L4 **\$261.02**



C-2350-L4I **\$248.34**



C-2400-L4VT **\$383.08**

Fuel Gauges

Description	Part #	Price
Scott Fuel Gauge.....	19528-02.....	\$857.99
Stewart-Warner Fuel Level Gauge.....	82211.....	\$48.48

Manifold Pressure/Fuel Pressure Gauge

Include with order the specific make and model engine for the application so the instrument may be properly marked and calibrated.

AG1055 **CALL**



Fuel Level Gauge

- 2 1/16 inch case
- Mounting bracket and instructions included

Fuel Level Gauge.....82303 **\$67.52**



Fuel Level Sender

- 12-volt sender for use in 6- and 12 inch deep tanks
- Used with Stewart-Warner Fuel Level Gauge (#82303 above)

Left Arm F-385-B **\$51.84**
 Right Arm F-385-C **\$51.84**

Fuel Pressure Gauges

- Range 0-10 lbs; 2 1/16 inch diameter case; mounting bracket and instructions included

Fuel Pressure Gauge.....82319 **\$88.24**

- Range 0-30 lbs; 2 1/16 inch diameter case; mounting bracket and instructions included

Fuel Pressure Gauge.....82320 **\$83.51**



Miscellaneous Instruments

Description	Part #	Price
Horizontal Gyro.....	AG1050A.....	CALL
Altitude Encoder.....	AK-350.....	\$179.50
Water Temperature Gauge.....	82326-72.....	\$71.45
Vertical Speed Indicator.....	R1001.....	\$324.95

Flap Position Indicator

- Electric (instrument only)
- 2 1/8 inch diameter
- AC part number 1518380

Flap Position IndicatorAG1045 **CALL**



Engine Hour Meter

- Record engine time electrically from solenoid installed in oil line
- Operates only when engine is running
- 2.27 inch diameter
- 12 volts

Hour Meter.....85093-03 **\$102.86**
 Pressure Switch..... 76575-04-NO **\$61.65**



Artificial Horizon

For 3 1/8 inch panel opening. A must for instrument flying! Shows attitude of aircraft. Used in conjunction with vacuum pump or 4 inch venturi. Reconditioned and guaranteed.

Artificial HorizonAG1305 **CALL**



Rate of Climb Gauge

- 2,000 F.P.M.

AG2003 **\$339.00**



Vacuum Regulator Valves

- From Airborne

2H3-2..... **\$2,499.12**
 2H3-23..... **\$2,632.79**



Oil Gauges

Stewart-Warner Oil Temperature Gauge

- Range 140° to 325°F
- 2 1/16 inch diameter case
- Mounting brackets, instructions, 1/2 inch adapter nut, and 72 inch length of tubing included

Oil Temperature Gauge..... 82327-72..... **\$109.95**



Scott Oil Pressure Gauge

The RN-2550 is an accurate but low-priced automotive type instrument for light aircraft. It is designed to fit panel holes from 2 1/16 inch diameter to 2 1/8 inch diameter. It has a 1/8 inch NPT thread, flared tube fitting connection. Range: 0 to 120 psi.



Oil Pressure Gauge (RN2550) 13343-01 **\$227.88**

Stewart-Warner Oil Pressure Gauge

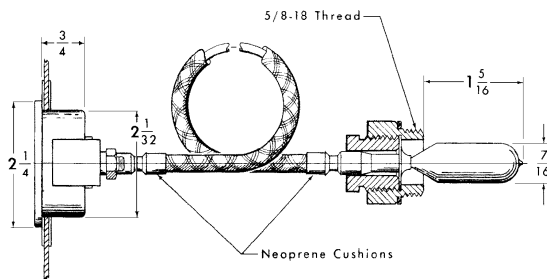
- Deluxe gauge
- Range 0-100 lbs
- 2 1/16 inch diameter case
- Mounting bracket and instructions included



Oil Pressure Gauge 82323 **\$74.92**

Avox Oil Temperature Gauge

This oil temperature gauge is a quality built instrument of proven dependability. It is furnished with all parts and fittings necessary for installation. Case and bezel dimensions are the same as Scott's oil pressure gauge. Two washers (part number 2677) are available to adapt each instrument to panel holes from 2 1/8 inch diameter to 2 3/4 inch diameter.



Characteristics:

- Range: 100 to 250
- For panel holes 2 1/16 inch diameter to 2 1/8 inch diameter
- Capillary tube: 5 feet long with gasket and adapter to fit 5/8-18 female thread



Oil Temperature Gauge (RN2100)..... 13340 **\$103.00**
 Avox Oil Temperature Gauge 13340-00 **\$318.50**
 Adapter Washer 2677 **\$3.39**

Shop online at www.univair.com

Tachometers and Cables

Tachometers

AC Tachometer – C90 MKG..... RT7-C90 **\$199.89**

Tachometer Cables

Specify make and model of tachometer installed in your plane and whether it is recording or non-recording type.



Application	Assembly Length	Tach Shaft Recording	Tach Shaft Non-Recording
Swift, Piper PA-18	25"	U1713-R250 \$100.32	TACH-25NR \$75.01
Swift, Piper PA-28	28"	U1713-R280 \$157.99	TACH-28NR \$76.67
Aeronca 7AC, 11AC	30"	U1713-R300 \$131.57	TACH-30NR \$77.08
	31"	TACH-31 \$83.75	U1713-N310 \$120.76
Cessna C-120/140/170 Piper J-3, PA-12/18/20/22 Meyers Taylorcraft BC12D	33"	U1713-R325 (TACH-33) \$131.57	TACH-33NR \$94.50
Piper PA-24, Stinson 108 Series	34"	TACH-34 \$88.89	U1713-N340 \$120.76
	35"	U1713-R350 \$131.57	TACH-35NR \$99.60
Piper PA-24, Stinson 108 Series	36"	TACH-36 \$105.15	TACH-36NR \$90.37
	38"	TACH-38 \$99.53	TACH-38NR \$99.53
	40"	—	TACH-40NR \$100.32
Aeronca 15AC, Bonanza, Ercoupe	43"	TACH-43 \$104.42	TACH-43NR \$99.53
Funk	50"	TACH-50 \$100.42	TACH-50NR \$100.42
Bellanca	54"	TACH-54 \$102.51	TACH-54NR \$102.51
	60"	TACH-60 \$128.05	TACH-60NR \$103.55
Popular Sizes	72"	TACH-72 \$108.05	—
	147"	TACH-147 \$208.90	—

Thermocouples

Description	Part #	Price
CHT Thermocouple Probe – 18mm	86202	\$146.46
Thermocouple Gasket – 14mm.....	GC14MM	\$0.25

Copper Constantine Thermocouple

- 6 inch length
- 14mm
- Gasket type
- Type B terminals



Thermocouple.....AG1102.....\$101.30

Thermometer

Air Temperature Gauge

This thermometer has both Centigrade and Fahrenheit dial graduations. It can be installed through Plexiglas® windshield or cowl on most aircraft or through the center strip in the windshield.



Air Temperature Gauge2716A.....\$82.28

Toll Free 1-888-433-5433

If you don't find the part you need, be sure to give us a call. We are here to help you with all of your classic aircraft needs!

Turn and Bank

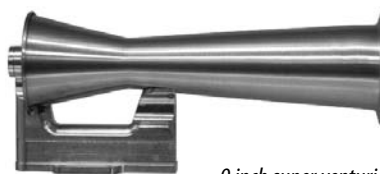
Turn and Bank Vacuum

Operates on 2 inches of mercury (suction) from engine intake manifold, venturi or vacuum pump. Fits standard 3 1/2 inch panel cutout.

Overhauled AN5820.....AG1070.....CALL
Filter for Turn and Bank.....PB16051.....\$60.00



Venturi



9 inch super venturi



4 inch venturi

2" and 4" Venturi

For use on airplanes without engine-driven vacuum system. 4 inch venturi will supply vacuum for one directional gyro or one artificial horizon; 2 inch venturi will supply a turn-and-bank.

2 inch Venturi.....2INCH-VENTURI.....\$51.45
4 inch Venturi.....4INCH-VENTURI.....\$73.04

9" Super Venturi

- Will provide vacuum for full gyro panel
- Can be used with pneumatic auto-pilot
- Requires a vacuum regulator

9 inch Super Venturi.....9INCH-VENTURI.....\$76.65
Venturi Gasket, 1/8 inch thick.....2200.....\$1.00



Luscombe 8A