



SENSITIVE ALTIMETER

UNITED SENSITIVE Altimeters 3-1/8" Certified

UNITED Sensitive Altimeter features a barometric window enable the pilot to adjust their altimeter to the barometric conditions existing at the point of landing. This type is available in 20,000ft, inches of mercury, millibars TSO'd

P/N	Size	Range	Price
2000-1 VFR	3-1/8	0-20,000ft, IN	810.29

Falcon gauges Sensitive Altimeter

features a barometric window enable the pilot to adjust their altimeter to the barometric conditions existing at the point of landing. This type is available in 20,000ft, inches of mercury, millibars. Non-certified

P/N	Size	Range	Price
ALT20INF-3N	3-1/8	20,000ft, IN	\$337.94



VERTICAL SPEED INDICATORS (VSI)

UNITED VERTICAL SPEED INDICATORS TSO'd

The vertical speed indicator is a precision instrument, which provides an accurate indication of rate of change of altitude. Used in most production aircraft.

P/N	Size	Range	Price
5200	3-1/8	0-2,000ft	\$482.00
5500	3-1/8	0-4,000ft	\$485.00

Falcon gauges Vertical speed indicators (VSI) indicate the rate of climb. These gauges have been installed in thousands of sport aircraft airplanes. Available in climb ranges from 2,000 feet per minute to 4,000 feet per minute. Non-certified

P/N	Size	Range	Price
VSI2FM-3	3-1/8	2,000ft/min	199.91
VSI3FM-3	3-1/8	3,000ft/min	205.91
VSI2FM-2	2 1/4	2,000ft/min	205.91

VERTICAL SPEED INDICATORS by UMA

Vertical speed indicators (VSI) indicate the rate of climb. These gauges have been installed in production aircraft airplanes Non-certified

P/N	Size	Range	Price
8-310-20	3-1/8	0-2,000ft	\$261.00
8-310-40	3-1/8	0-4,000ft	\$291.00
8-210-20	2-1/4	0-2,000ft	\$380.25
8-210-40	2-1/4	0-4,000ft	\$380.25



DIRECTIONAL GYRO

RC ALLEN DIRECTIONAL GYRO TSO'd

The vertical rotating azimuth card is controlled by a precision gyroscope. This D.G. will give correct heading information through 85 degrees of aircraft attitude. 3-1/8 x 3-3/8 x 7" wt 2.9 lb

P/N	Size	Type	Price
RCA11A-8	3-1/8	Vacuum	\$853.50
RCA15AK-2	3-1/8	Electric	\$2558.50



Falcon gauges Gyro

models are the perfect choice for using on experimental aircrafts. Falcon gauge gyros are engineered and manufactured with high standards and quality. They come in two styles, vacuum or electrical. Non-certified

P/N DG02V-3	vacuum	\$596.71
P/N DG02E-3	electrical	\$1806.00

GYRO HORIZON

RC ALLEN ATTITUDE GYRO TSO'd

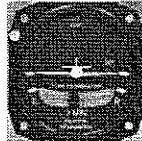
Attractive colour scheme of blue sky and brown ground. Size 3-1/8 x 3-3/8 x 6" wt 2.75lb

P/N	Size	Type	Price
RCA22-7	3-1/8	Vacuum	\$853.50
RCA26AK-4	3-1/8	Electric	\$2558.50

Falcon gauges

makes two style of gyro horizon. A standard vacuum style, and an electrical style. Non-certified

P/N GH02V-3	vacuum	\$590.71
P/N GH02E-3	electrical	\$1800.00



ELECTRICAL TURN AND SLIP INDICATORS

RC ALLEN Electric Turn and Bank 3-1/8 TSO'd

This unit incorporates an electrical gyro turn indicator with an inclinometer. A power failure flag drops into view whenever the supply voltage is lost.

RCA82A-	3-1/8	Electric T/C	\$780.00
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Falcon Gauge Electrical Turn Coordinator and Turn and Bank

Indicator are electrically driven gyroscope that is supported horizontally in gimbals. The inclinometer, by movement of a ball in relation to the lubber lines, indicates the slip angle of the aircraft while in a turn. A power failure flag drops into view whenever the supply voltage is lost. 2-min turn. Non-certified

Turn and Slip P/N TCE2-3	3-1/8 12v or 24v	\$582.96
Turn and Bank P/N TB2E-2	2-1/4 12v or 24v	\$582.96

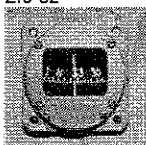
INCLINOMETER by UMA

Falcon gauges Inclinator indicator provides inclination attitude information at a glance measuring inclination of the aircraft from 10 degrees either side of Zero. 2-1/4 dia. non-certified
P/N SI-2Q \$49.91



2-1/4 SLIP INDICATOR by UMA

This liquid dampened flight instrument for coordinated turns is mounted in a standard 2-1/4" moulded plastic case. Non-certified 2.0 oz P/N 6-100-10 \$74.07



AIRCRAFT MAGNETIC COMPASS

Falcon gauges Liquid filled compass provide accurate reading at low cost. They are fluid damped and incorporate a thermal expansion chamber and compensating magnets. They come in 2 styles, panel mount, or pedestal mount, also can be lighted or without light. Non-certified

P/N	Size	Style	Price
MCPN-2	2-1/4	Panel mount	\$99.91
MCPN-2L	2-1/4	Panel mount / light	111.91
MCDN-2	2-1/4	Pedestal mount	129.91
MCDN-2L	2-1/4	Pedestal mount / light	140.91

AIRPATH MAGNETIC COMPASSES Certified

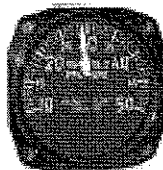
P/N	Size	Style	Price
C2300	2-1/4	Panel mount	189.71
C2300L4	2-1/4	Panel mount / light	199.11
C2400L4P	2-1/4	Pedestal mount / light	247.11

AIRPATH COMPASS PARTS

P/N	Description	Price
C-21-100	Diaphragm	\$13.15
CB21-914H	Face Glass gasket	\$11.15
CB21-913X	Face Glass	\$32.50
C-24-710	Windshield Mount	\$13.98
C-23-805	Deviation card holder	\$2.75
C-23-807	Deviation card	\$0.40
C-23-806	Deviation card window	\$0.45
C-Fluid-6	Compass fluid 6oz	\$6.51
C-Fluid -16	Compass fluid 16oz	\$16.11
JMC-100	Compass overhaul kit	\$28.63

VERTICAL CARD COMPASS

Falcon gauges Vertical Card Compass is non-liquid type. It is designed in a new concept, which makes it eliminates the disadvantage of leaking occur on liquid compass. With a 2" vertical rotating dial which is compared with a fixed miniature airplane (lubber line) to present the magnetic heading of the aircraft at all times, heading information is more natural and easy to read presentation and see the complete 360 degree dial. Internal lighting, and a universal mounting bracket is provided with the unit. Non-certified
P/N MCV-2L \$277.91



MANIFOLD PRESSURE GAUGE

Falcon gauge Manifold Pressure is designed and manufactures for using in on aircrafts and is a standard diaphragm pressure instrument. This indicator is temperature and altitude compensated. Manifold pressure is one of the factors requires to obtain correct power settings of the aircraft engine. Non-certified P/N MP1050-3 3-1/8, 10-50 INHG \$230.91
P/N MP1035-3 3-1/8, 10-35 INHG \$230.95

MANIFOLD PRESSURE GAUGE by UMA

UMA gauges Manifold pressure is a very useful engine instrument. Pressure from the manifold can be used with RPM reading to get maximum power from your engine. Especially useful, if you have a pitch control propeller. 2-1/4, 4.7 oz non-certified

P/N 7-100-10 10-50 IN. HG. \$225.92

"G" METER

Falcon gauges Accelerometers resister to "g" forces acting on the airframe during turbulence or aerobatic manoeuvres. One pointer gives a continuous reading; the other two indicate maximum positive and negative loads. Te reset, uses the "push to reset Knob". Made to specification: MIL-A-5885C, operating temperature -55C to +60C, 2-1/4dia gauge. Non-certified P/N GM510-2 -5G to+10G \$353.91



TACHOMETER

Falcon gauge makes a line of engine driven tachometers. These tachometers are 3-1/8 dia and have Hour meters. Non-certified

P/N	Rotation	Cruise- Range	Price
TH-C7-3	Clockwise	2250-2375	\$150.97
TH-C8-3	Clockwise	2025-2175	\$150.97
TH-CC9-3	Counter-clockwise	2250-2375	\$150.97
TH-CC10-3	Counter-clockwise	2025-2175	\$150.97
TH-C11-3	Clockwise	2475-2595	\$150.97

Tach Cables

Special cable & core 0-5ft. \$43.95
Longer lengths per foot..... \$5.00
Inner cable only per foot..... \$2.00
Cable drive ends \$16.0

Standard Aircraft cable lengths

Before ordering please check your length of tach cable to insure proper fit

Luscombe 8E, J3, Champ, BC12D,
Cessna 170 30"
PA12, 18,20 AND 22,Cessna
120,140 33"
PA24, Stinson, Mooney 36"
Cessna-180 37"
Aeronca Sedan, Bonanza, ,Erocoupe 38"

FUEL LEVEL INDICATORS & SENDERS

Falcon gauge makes an economically fuel gauge and sender ideal for all types of applications. Non-certified

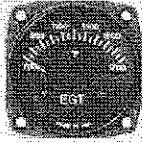
P/N	Size	Style	Price
FL240-2Q	2-1/4	Single gauge	\$61.51
FFL240-2Q	2-1/4	Dual gauge	\$79.51
FP-012	12"	12" bendable/ straight sender	\$116.71
FP-024	24"	24" bendable/ straight sender	\$116.71



CYLINDER HEAD TEMPERATURE GAUGE

Falcon Gauges makes a cylinder head temperature (CHT) gauge that allows you to know the temperature of your cylinder head. Available in single or dual styles. Non-certified

P/N	Size	Style	Range	Price
CC22-F-2Q	2-1/4	CHT/CHT	100-700F	\$100.10
C22-F-2Q	2-1/4	CHT	100-700F	\$58.77
CP-010	10MM	SENDER	4 feet	\$32.51
CP-018	18MM	SENDER	4 feet	\$32.51



EXHAUST GAS TEMPERATURE GAUGE

Falcon Gauges makes an exhaust gas temperature (EGT) gauge that monitors you exhaust gas temperature so you can lean your engine for the best power setting. Non-certified

P/N	Size	Style	Range	Price
EE22-F-2Q	2-1/4	EGT	700-1700F	\$110.10
E22-F-2Q	2-1/4	EGT	700-1700F	\$58.77
EP-100C	Clamp	Sender	4 feet	\$35.51
EP-810M	8x1.0mm	Sender	4 feet	\$46.55

DUAL CHT/EGT GAUGES

Falcon gauges combines two engine gauges together for space saving. All gauges have the same temperature ranges as the single style. Non-certified

P/N	Size	Style	Price
CE22-F-2Q	2-1/4	CHT/EGT	\$89.77
CE22-C-2Q	2-1/4	CHT/EGT	\$89.77
CE22-F-2R	2	CHT/EGT	\$85.91
CE22-C-2R	2	CHT/EGT	\$85.91

WESTACH GAUGES TSO C43a CERTIFIED

Single 2-1/4 gauge kits are TSO-C43a. These kits come with probes and a light.

EGT GAUGE 700-1700°F / 400-900°C

P/N K28PX\$177.08

**Use type K thermocouple

CHT GAUGE 100-700°F / 50-350°C

P/N K29PX\$168.72

**Use type J thermocouple

DUAL WESTACH GAUGES TSO C43a

CERTIFIED

CHT / EGT same temps as singles P/N K31X \$270.50

** Use type J & K thermocouples

EGT / EGT same temps as singles P/N K32X \$270.50

**Use type K thermocouple

CHT / CHT same temps as singles P/N K33X \$195.00

**Use type J thermocouple

THERMOCOUPLES FOR CERTIFIED WESTACH GAUGES

P/N 713-2DWK type K 48" lead \$81.68

P/N 713-5W 18mm type J 48" lead \$24.90

FUEL & OIL PRESSURE GAUGES by UMA

These LIGHT WEIGHT pressure gauges read off a direct hook-up and are offered in three mounting sizes 1", 1-1/4", and 2-1/4".

Available in many ranges and dial configurations with easy readability. Non-certified

P/N	Size	Type	Range	Price
3-250-10	1"	Fuel Pressure	0-10psi	\$193.05
3-260-125	1"	Oil Pressure	0-125psi	\$193.05
3-311-20A	1-1/4"	Fuel Pressure	0-20psi	\$193.05
3-311-32B	1-1/4"	Oil Pressure	0-125psi	\$193.05
3-3102-60	2-1/4	Fuel Pressure	0-10psi	\$193.05
3-102-30	2-1/4	Fuel Pressure	0-25psi	\$193.05
3-102-41	2-1/4	Oil Pressure	0-50psi	\$193.05
3-331-10	2-1/4	Oil Pressure	10-130psi	\$193.05

ROCHESTER Oil Pressure Certified

Rochester oil pressure gauges have matte white dial with black bezel. Mount into 2-1/16 dial hole 1/8 NPT port
22302 0-120 Mech 89.60

ROCHESTER Oil Temperature Certified

Rochester oil pressure gauges have matte white dial with black bezel. Mount into 2-1/16 dia hole
60" capillary tube assy. 11600 100-250F \$122.96

Oil Temperature Adapter

15244 oil temp adapter 20.25

FUEL PRESSURE by WESTACH

CERTIFIED TSO C47a 0-16 PSI P/N K37X..... 363.06

**Use type 387-14 sender

OUTSIDE AIR TEMPERATURE by WESTACH Non-certified

-40 to +120°F / 0 to 100°C P/N K34X \$158.47

**Use type 399OT sender

Outside Air Temp 2716 Scott \$109.75

CARB AIR TEMP by WESTACH

Non-certified -50 to +50°C P/N K30X \$158.47

**Use type 399W sender

CARBURETOR TEMP 2-1/4 by UMA 9.9oz non-certified

P/N 12-600-50 -30 to +30°C \$95.63

PROBE P/N 1B5 \$36.86

SENDERS FOR WESTACH GAUGES

P/N 399W 48" lead \$49.20

P/N 399OT 48" lead \$49.20

P/N 399S9 48" lead \$49.20

P/N 399S7 48" lead \$30.32

P/N 387-14 \$122.15

P/N 387-15 \$122.15

VOLT METER by FALCON GAUGES

Non-certified

P/N VM16-2Q 2-1/4, 6-16V \$63.71

P/N VM16-2R 2" round 6-16V \$52.71

1" SUCTION GAUGE by UMA

(3-7 IN. HG.) 1.4 oz non-certified P/N 3-200\$131.33

2-1/4 FLAP POSITION INDICATOR by UMA

Indicator uses a resistance potentiometer as a flap position sensor. 9.8oz, 0-28 degrees. Non-certified P/N 9-200-10 198.15

2-1/4 HOURMETER by UMA

Housed in a standard 2-1/4 aircraft case, this rugged constructed Hour meter will with stand the test of time. Specify AC or DC. 9.8oz non-certified

P/N	Size	Range	Price
13-100-10DC	2-1/4	0-99999.9	\$77.00
13-300-12 28v	1.18x1.5	0-99999.9	101.80

HOBBS HOURMETER by UMANon-certified

P/N	Size	VDC	Price
85094	1.45"x.95"	10-80	\$73.56
85331	1.45"x.95"	5-16	\$73.56
85012	2" round	10-80	\$85.56
85097	2" round	5-16	\$73.56

Aircraft Clocks

A/C clock with second hand.....call

OEM style replacementcall

Ventures

	Price
2" Turn and Bank	82.68
4" DG or AH plus TB	91.95
9" DG, AH and TB	107.95

Piper Sight Gauges & Parts

10804-00	PA18 sight gauge.....	107.26
10676-03	glass.....	2.75
85012-51	gasket (2 req'd).....	0.66
10853-00-gas gauge	float pea.....	call
10834-00	restrictor elbow.....	25.50
AN842-6D	elbow.....	26.27
10837-00	Frame.....	72.51
10847-00	Bushing.....	27.06

MISC INSTRUMENT PARTS

Screws and Nuts

	Price
440 brass nut	0.15
632 brass nut	0.12
632 x 1 black brass	0.27
832 x 1" brass screw.....	0.20
832 x 2" brass screw.....	0.20
832 brass nut	0.14
960-8-B brass washer.....	0.05
1032 cap nut	0.20

Instrument Shock Mount.....Price

- Cessna style instrument panel vibration mounts.....\$8.98
- Cessna cowling vibration Lord mount\$24.52

RAPCO Dry Air/Vacuum Pumps

Rapco dry air pumps are run-out Airborne cores, which are overhauled to factory specifications by FAA-approved Repair overhauled since 1982. Reliable as OEM pumps. Save money with a RAPCO overhauled pump – the highest quality.

Model #	Price	Model #	Price
211CC	342.50	241CC	597.50
212CW	332.50	242CW	597.50
215CC	447.50new	441CC	840.50
216CW	447.50new	442CW	840.50
		442CW-12	859.50

VACUUM PUMP REMOVAL AND INSTALLATION TOOL

P/N RA716 \$58.97

Add core charge to purchase price. 200 Series, \$200.00; 400 Series \$350.00. Like cores must be returned in repairable condition to receive full core credit. RAPCO PNEUMATIC FILTERS

FILTERS

FAA-PMA Approved replacements for airborne assemblies.

Recommendations for filter changes

Vacuum Instrument Central Gyro Filter

Replace at least every 500 flight hours or annually, whichever comes first, to protect gyros.

Vacuum Relief and Pump Inlet Foam Garter Filters:

Replacement at least every 100 flight hours to protect the relief valve seat and vacuum pump.

Pressure / Vacuum Systems Inlet Filters:

Replace at least every 500 flight hours or annually, whichever comes first.

Inline Filters for Pressure Systems:

Replace at least every 500 flight hours or at pump change to provide a supply of filtered air to the system components

INTERCHANGABILITY CHART

RAPCO P/N	Airborne P/N	Cessna P/N
RA1J4-4	1J4-4	
RA1J4-6	1J4-6	
RA1J4-7	1J4-7	
RA1J7-1	1J7-1	
RA1J10-1	1J10-1	C294502-0101
RAB3-5-1	B3-5-1	
RAD9-14-3	D9-14-3	
RAD9-14-5	D9-14-5	C294501-0103
RAD9-18-1	D9-18-1	C294502-0201

Part No.	Description	Price
RA1J7-1	Vacuum instruments Central Gyro Air Filter 0.3 Micron pleated paper element with two 3/8 installation tubes	\$52.57
RAB3-5-1	Vacuum Relief & pump inlet Foam Garter Filter Foam Polyurethane Garter filter fits all Airborne 133 Series inlet & 2H3 Regulation Valves	\$4.75
RAD9-14-5	Replacement element used in Airborne 1J2 Series Filter (Except 1J2-2)	\$52.59
RAD9-14-3	Replacement element used in Airborne 1J2-2 Inlet Filter	\$52.59
RAD9-18-1	Replacement element used in RAPCO 1J7-1 Vacuum Instrument Central Gyro Air Filter Assembly	\$52.59
RA1J4-4	Line mounted Filter-1/2"x 1/2" beaded tube Overall length 5 3/4" long	\$43.40
RA1J4-6	Line mounted Filter-5/8 x 5/8" beaded tube Overall length 6 3/4" long	\$55.38
RA1J4-7	Line mounted Filter-5/8 x 5/8" beaded tube Overall length 5 1/2" long	\$51.49
RA1J10-1	Line mounied Filter -3/8" x 3/8" non-beaded tube. Overall length 5 3/4" long	\$38.18