

# ALCOR EGT & CHT SYSTEMS

## BASIC EGT & CHT SYSTEMS

FAA and PMA approved for all reciprocating-powered aircraft!

### 2-1/4" GAUGES



A46125

A46150

A46126

A46151

A46127

A46164

### 3-1/8" GAUGES



A46124

A46155

A46156

A46157

**Instruments:** Provide a quick and easy way to troubleshoot and determine an engine's efficiency. Alcor's instruments are known for their quick response time, easy-to-read design and long life. All Alcor instruments are FAA/PMA approved for anything piston-powered that flies! Available in 2 1/4" and 3 1/8" diameters, these instruments can be purchased in single or dual configurations with or without internal lighting. Special order options are also available. All Alcor instruments carry a 3 Year Warranty!

**Sensors:** Recommended by the most popular manufacturers of digital engine monitoring systems because Alcor sensors are: • Made from the highest-quality materials • FAA approved • Provide fast response time • Built to last • Covered by a 5 Year warranty for grounded probes • Manufactured in the USA!

**Basic Systems:** Kit includes the 2 1/4" or 3 1/8" instrument, one lead and one sensor for single cylinder EGT or CHT monitoring.

**Multi-Cylinder Systems:** Kit Includes 2 1/4" or 3 1/8" instrument, all leads, switches and sensors for EGT and CHT monitoring of every cylinder. Alcor's 2 1/4" instrument uses Alcor's Universal Cylinder Selector (UCS) (p/n 80825 or 80827) switch to convert the basic system into an affordable Alcor analyzer!

| BASIC SYSTEMS  |          |          |
|----------------|----------|----------|
| System         | Part No. | Price    |
| EGT            | 10-08700 | \$381.95 |
| CHT            | 10-08800 | \$444.95 |
| EGT/CHT 2-1/4" | 10-08900 | \$915.00 |
| EGT/CHT 3-1/8" | 10-20700 | \$818.00 |

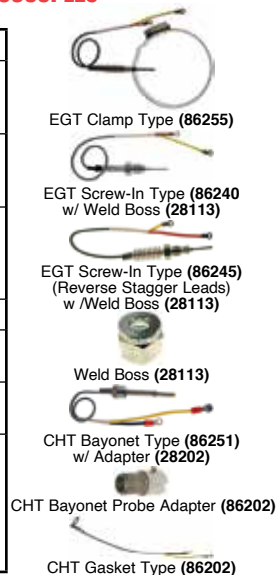
| ANALYZER SYSTEMS |          |            |
|------------------|----------|------------|
| System           | Part No. | Price      |
| EGT (4Cyl.)      | 10-09000 | \$985.00   |
| CHT (4 Cyl.)     | 10-09100 | \$1,114.00 |
| EGT/CHT (4 Cyl.) | 10-09200 | \$2,086.00 |
| EGT (6 Cyl.)     | 10-09300 | \$1,332.00 |

## ALCOR PROBES

Alcor's probe (thermocouples) reliability is legendary in the aviation community, designed to give years of dependable and accurate service.

### GROUNDING THERMOCOUPLES

| ALCOR | Description  |
|-------|--|
| 86255 | EGT Clamp Type Probe min/max dia.-1.5" to 3.25" (Yellow/Red, Chrome/Alumel)  |
| 86240 | EGT Screw-In Probe, fitting dims: 7/16" x 20 threads (Yellow/Red) less boss  |
| 86245 | EGT Screw-In Probe, fitting dims- 7/16" x 20 threads (Yellow/Red, reverse stagger leads) less boss   |
| 28113 | Weld Boss  |
| 86251 | CHT Bayonet Probe (Black/Yellow,   |
| 28202 | Iron/Constantan) AN5541-1 CHT Bayonet Probe Adapter  |
| 86202 | CHT Gasket Style Thermocouple. Type: J - Black and Yellow. Grounded Style: Gasket. Size: 18 mm. Resistance: .13 + .16 Ω - .05 Ω. Weight: 0.12 lbs. |



## ALCOR ALCAL 2000+ SYSTEM TESTER



**ALCAL 2000+ EGT/CHT TESTER:** The Alcal 2000+ provides everything needed for accurate calibration and troubleshooting of EGT/CHT/TIT, Type K, J, and E systems. The tester will simulate thermocouple output millivolts so that instruments can be calibrated on the ramp or in the shop. The Alcal 2000+ will also receive a millivolt input while testing Alcor and other thermocouples installed in its special heater for accurate analysis at operating temperatures.

The Alcal 2000+ is also designed to check the accuracy of an entire system or the individual components. While the thermocouple is in the heater, the instrument can be read in the panel and recalibrated as necessary while simulating temperatures up to 1750 F. An easy-to-read LCD display makes accurate settings a snap. With its rugged Pelican case, the Alcal 2000+ is ready to use anywhere! Certification of the Alcal 2000+ is traceable to National Institute of Standards and Technology (NIST).

### Features:

- Redesigned Pelican case with removable lid for stress-free use in any environment
- Internal carrying handle for tranquil transport and handling with or without the lid
- Additional EGT/TIT Heater that accepts competitors' larger probes and tests both digital and analog systems
- Easy access to the fuse and 9V Lithium battery for quick replacement if necessary
- Plus, all the great features of the Alcal 2000 (FAA/PMA not required)

### Specifications:

- 9V Lithium Battery-powered
  - 12lbs
  - Alcor P/N: 85337
- 2000+ System Tester ..... P/N 10-04981 ..... **\$3,325.00**

### Accessories

- 28187 Gasket Thermocouple Adapter..... P/N 10-04959 ..... **\$76.80**  
 35291 EGT Heater 1.28 Hole ..... P/N 10-04956 ..... **\$358.00**  
 35309 EGT Heater ..... P/N 10-04953 ..... **\$357.00**  
 35311 CHT Heater ..... P/N 10-04957 ..... **\$348.00**  
 86188 EGT Reference Thermocouple..... P/N 10-04954 ..... **\$98.75**  
 86261 CHT Reference Thermocouple..... P/N 10-04958 ..... **\$125.99**

## ALCOR 98214 TYPE K THERMOCOUPLE WIRE

Alcor 98214 K Type Thermocouple Wire. 22 awg, 7/30 stranded insulated with FEP. Sold in 50 ft packs.

P/N 05-22849 ..... **\$123.75**

**IMPORTANT!** EGT systems & components with red/brown color codes are not compatible with systems & components using red/yellow codes.