



LIFESAVER® ELECTRIC ATTITUDE INDICATOR

4300 SERIES

MANUFACTURED BY MID-CONTINENT INSTRUMENTS



4300-411
Lifesaver® with battery* backup

***Provides up to one hour of emergency attitude reference in the event of aircraft power failure**



4300-313
Standard unit without battery

- Custom versions available to match existing instrument/EFIS displays
- Lifesaver® self-contained battery backup features:
 - One hour of emergency power*
 - Built-in annunciation
 - Internal emergency lighting
- A safe alternative to unreliable vacuum systems
- Single connector installation for primary and optional standby battery models
- Exceptional Value – 7,500 hours MTBF, more than double the life of most electric gyros
- Perfect for use as a primary or standby artificial horizon in fixed-wing aircraft and helicopters
- 10–32 volt DC operation for use in both 14 and 28 volt aircraft
- Anti-reflective glass enhances visibility and reduces fatigue
- Field replaceable lighting
- Approved to FAA TSO-C4c and RTCA/DO-160D certified
- Qualified to DO-160 for helicopter vibration
- Designed and built in Wichita, Kansas, USA
- One year limited warranty
- See reverse side for available options

* Fully charged and properly maintained battery. See installation manual.

Kansas
9400 E. 34th Street North
Wichita, KS 67226 USA
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MID-CONTINENT
I N S T R U M E N T S
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LIFESAVER[®] ELECTRIC ATTITUDE INDICATOR

4300 SERIES

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SPECIFICATIONS

| | |
|--------------------|--|
| MTBF: | 7,500 Hours |
| Certification: | FAA TSO-C4c RTCA/DO-160D |
| Power Input: | 10–32 VDC: 1400 mA start, 600 mA max. running at 14 VDC input 700 mA start, 300 mA max. running at 28 VDC input |
| Battery: | Rechargeable, sealed lead-acid cells Life = 3 years in average aircraft environment Runtime = 60 minutes minimum, when fully charged and properly maintained |
| Annunciators: | Push to engage annunciator: STBY PWR – standby power mode TEST – battery test |
| Lighting: | 5, 14 or 28 VDC Incandescent; field-replaceable tray wired through main connector |
| Glass: | Special HEA anti-reflective coating |
| Weight: | 2.7 lbs. or 3.7 lbs. with battery option |
| Length: | 6.6 inches, 8.6 inches with battery option |
| Mounting: | Rear mount in standard 3 1/8" round panel cutout |
| Temperature Range: | –30°C to +70°C (–22°F to +158°F) |
| Mating Connector: | MS3116F8–4S (P/N 9015514) |

OPTIONS (PLEASE SPECIFY)

| | |
|--------------------|--|
| Lighting: | 5, 14 or 28 VDC Incandescent |
| Lighting Color: | White, Blue/White, Red for 5, 14 or 28 VDC NVIS green available for 5 or 28 VDC |
| Panel Tilt: | Aircraft specific – specify exact tilt between 0° to 20° |
| Dial: | Fixed or rotating roll dial configurations, traditional or delta wing symbolic airplane |
| Knob Cover: | Restricts reference airplane adjustment |
| Emergency Battery: | One hour run time; automatic charging system Remote mountable with available kit |
| Inclinometer: | Front-mounted, ball-type slip indicator |
| Mounting: | Front mount available with ARINC style adapter plate |

DISPLAY CONFIGURATIONS

4300-3XX SERIES – without battery

| Model Number | Symbolic Airplane | Roll Dial |
|--------------|-------------------|-----------|
| 4300-311 | Traditional | Rotating |
| 4300-312 | Traditional | Fixed |
| 4300-313 | Delta wing | Rotating |
| 4300-314 | Delta wing | Fixed |

4300-4XX SERIES – with battery

| Model Number | Symbolic Airplane | Roll Dial |
|--------------|-------------------|-----------|
| 4300-411 | Traditional | Rotating |
| 4300-412 | Traditional | Fixed |
| 4300-413 | Delta wing | Rotating |
| 4300-414 | Delta wing | Fixed |

Also available with high resolution display



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