

# COURSE RADIO BEACON (LOCALIZER) LOC 734

IS USED TO FORM A SIGNAL ABOUT AIRCRAFT LOCATION TOWARD RUNWAY CENTERLINE IN HORIZONTAL PLANE DURING LANDING APPROACH

## KEY PECULIARITIES

- conformity with FAR and ICAO requirements
- small amount of devices
- reduced power consumption of prime equipment
- forms part of «Complex 734» with single unified system of control and management
- unification with «Complex 734» products

## GENERAL CHARACTERISTICS

- conformity with ICAO I, II, III category standards ILS
- 100% backup of prime equipment
- possibility to set and change parameters from remote control and monitoring system (RCMS)
- distance monitoring and control
- the beacon maintenance mode is uninterrupted, 24-hour, does not require constant staff assistance
- power supply from monophase network voltage alternating current 220 V, with 50 Hz frequency
- power, consumed by prime equipment is not above 300 VA

## OPERATING CONDITIONS

for devices set in heated space and installations (inside operating room or ATC tower):

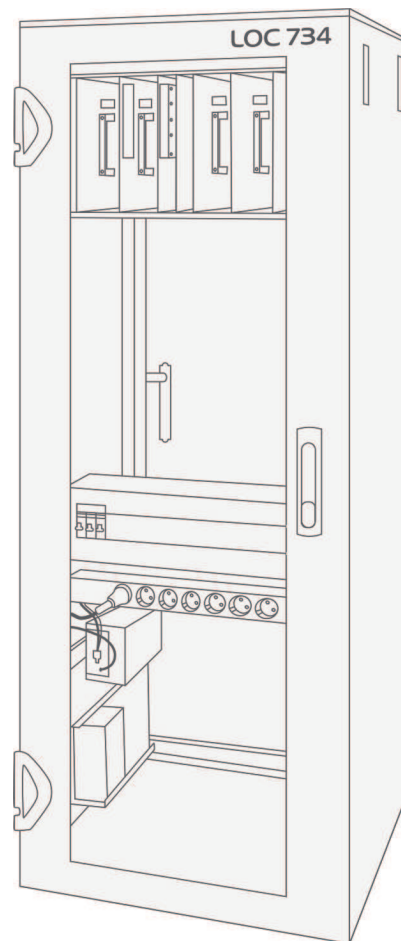
the ambient temperature	from -10°C to +55°C
relative air humidity at +25°C	below 80%
atmosphere sub pressure	below 700 hPa (525 millimeter of mercury column)

for devices set in the outdoor air or not heated space:

the ambient temperature	from -50°C to +70°C
relative air humidity at +25°C	below 98%
atmospheric condensed precipitation	hoarfrost, dew
atmospheric precipitation	rain, snow
air-flow rate for antenna-feeder devices, km/h	below 200
atmosphere sub pressure	below 700 hPa (525 millimeter of mercury column)

## TECH SPECIFICATIONS

frequency range, MHz	from 108 to 112
power output, W	below 12
area of coverage, degrees toward runway centerline: «narrow» channel / «wide» channel	±10 / from ±10 to ±35
radio range, km	above 46



## OPTIONS

- structure variants: «bi-channel dual frequency» or «single-channel monofrequent»
- device Analyzer ILS/VOR for parameter control of Loc 734 in beacon area of coverage
- installation in already existent technical areas and containers
- security and fire alarms
- video monitoring
- distance monitoring and control: wire line, fiber-optic link or radio channel