

BENDIX/KING
KFC 225

2.10.1.1 FACTORY ADJUSTMENTS

The FCC allows factory adjustment of the following parameters, which are stored in the flash ROM. All factory parameters are stored in the KC 225 and are saved by selection of the Store Parameters option under the Factory Offsets page of the RTI menu. The first four adjustments are made using the adjustment potentiometer; the last four are captured using the Factory Adjustment page and zeroing the selected input, or entered based on screen prompts for autotrim monitor delay. The Accelerometer Offset is created automatically and stored when the other factory adjustments are stored.

TABLE 2-5 FACTORY ADJUSTMENTS

ADJUSTMENT	CONDITION REQUIRED	RANGE	RESOLUTION (MIN)
Roll Servo Cmd Offset	AP eng w/FD and NAV pressed ¹	±200 mV	5 mV
Pitch Servo Cmd Offset	AP eng w/ALT and APR pressed ²	±200 mV	5 mV
Display Brightness (minimum and slope)	AP eng w/AP pressed		
Backlighting Brightness (offset and slope)	AP off w/AP pressed		
Accelerometer Offset	Captured from CAL Algorithm when user Stores Parameters.	+/-2.0 g's	.001 g
NAV deviation	NAV deviation input = 0.000 VDC	±4.0 deg VOR (2 dots)	.1 deg VOR (.05 dots)
GS Deviation	GS deviation input = 0.000 VDC	±0.25 deg	.01 deg
Pressure Sensor Offset	Pressure Altitude = 0 ft		1.0 ft
Autotrim Monitor Timer	Version specific: follow screen prompt	0.25 to 2 sec	0.125 sec

- (1) While the condition exists, the roll servo command only outputs the roll servo offset (i.e. no sensor or algorithm-related outputs).
- (2) While the condition exists, the pitch servo command only outputs the pitch servo offset.

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2.10.1.2 Installer Adjustments

2.10.1.2.1 Offset Adjustments

The following adjustments allow the installer to compensate for offsets in sensor inputs. All of these parameters are stored in the KCM 100 configuration module. The first four adjustments are made using the adjustment potentiometer; the last three are captured using the Installation Offset page and zeroing the selected input.

TABLE 2-6 OFFSET ADJUSTMENTS

ADJUSTMENT	CONDITION REQUIRED	RANGE	RESOLUTION (MIN)
Roll Cmd Bar Offset	AP off w/FD pressed ¹	±4.0 degs	.05 deg
Pitch Cmd Bar Offset	AP off w/CWS ²	±4.0 degs	.05 deg
Pitch Cmd Bar Gain	AP off w/GA pressed	4.0	.05
Roll Attitude Offset	AP eng, PIT and ROL	±2.0 degs	.05 deg
Heading Datum	HSI heading bug nulled	±4.0 degs	.05 deg
Course Datum	HSI course pointer nulled	±4.0 degs	.05 deg
Pitch Attitude	Pitch attitude display at zero	±4.0 deg	.05 deg

- (1) While the condition exists, the roll command bar only outputs the roll command bar offset.
- (2) While the condition exists, the pitch command bar only outputs the pitch command bar offset.

2.10.1.2.2 VG Gain Adjustments

In addition to these adjustments, the FCC provides the installer with scale factor adjustments for the pitch and roll attitude inputs from the vertical gyro. These adjustments are located on the side of the unit and are not accessible when the unit is installed in its mounting rack. A special extender unit/harness is required to make these adjustments.