

## Model 566C RF Inclinometer on 435 Steering Wheel Gauge + Model 567C RF Receiver



### DESCRIPTION

The Kemkraft model 566C/567C is an RF wireless inclinometer system used on steering wheels in an assembly plant during vehicle alignment. The system consists of 1.) an Inclinometer/RF transmitter, 2.) an RF receiver, and 3.) a tool holder/battery charger. The RF is available in 2 different frequencies and multiple channels in both frequencies. The 566C Inclinometer/Transmitter is mounted to a model 435 Steering Wheel Gauge (SWG) (left picture above). The 435 SWG is a three point contact tool that floats during the alignment process. The battery operated 566C transmitter measures / displays and transmits steering wheel angle. The tool holder/battery charger, fast charges the rechargeable batteries in 1 to 2 hours. The tool/transmitter, when not on a steering wheel, rests on top of the holder/charger therefore keeping the batteries constantly charged. The 567C Receiver (right picture), housed in a Nema 12 enclosure, displays and dumps steering wheel angle (ASCII angle) via RS-232 to the alignment machine. Multiple Transmitter/Receiver units can be used in one plant. The 566C transmitter can be hooked up "direct connect" if transmission fails. The left item below is a 605 charger/holder and the center item shows a calibration stand required to calibrate the inclinometer. The far right item below is a Kemkraft model 440 SWG, another option, which is a spring loaded Pogo to the windshield that the 566C Inclinometer attaches to.

### SPECIFICATIONS

POWER REQUIREMENTS:	110 VAC @ 0.5 amps or 220VAC @ 0.25 amps
FREQUENCIES AVAILABLE:	433.19 – 434.57Mhz 10 channel, 868.19 – 869.87 Mhz 5 channel
ANGLE RANGE:	+/-20 Degrees
RESOLUTION:	+/- 0.1 Degrees
ACCURACY:	+/- 1.0% of Full Scale
OPERATING TEMP RANGE:	50 Deg F. - 110 Deg F.
SERIAL INTERFACE:	RS-232-C port / ASCII data

