

MODEL KEI-1566 433 MHz RF INCLINOMETER SYSTEM MODEL KEI-435 STEERING WHEEL GAUGE



DESCRIPTION

The model KEI-1566 is a RF wireless inclinometer system used on steering wheels in an assembly plant during vehicle alignment. The KEI-1566 consists of an inclinometer / transmitter, a receiver, and a tool holder / battery charger. In the above picture, the Inclinator / Transmitter is mounted to a model KEI-435 Steering Wheel Gauge (SWG). A KEI-435 SWG is a three point contact tool that floats during the alignment process. The battery operated 1566 transmitter measures / displays and transmits steering wheel angle. It transmits, at a frequency of 433 MHz, usable in US, Canada and Europe. A tool holder / battery charger, comes with the KEI-1566, fast charges the rechargeable batteries in 1 to 2 hours then drops down to a trickle charge. The tool / transmitter, when not on a steering wheel, rests on top of the holder / charger therefore keeping the batteries constantly charged. The Receiver, housed in a Nema 12 enclosure, displays and dumps steering wheel angle via RS-232 (angle value in ASCII) to an alignment machine. Multiple transmitter / receiver units can be used in one plant.

SPECIFICATIONS

POWER REQUIREMENTS:	110 VAC @ 0.5 amps or 220VAC @ 0.25 amps
ANGLE RANGE:	+/-13 Degrees
RESOLUTION:	+/- 0.1 Degrees
ACCURACY:	+/- 1.0% of Full Scale
OPERATING TEMP RANGE:	50 Deg F. - 120 Deg F.
SERIAL INTERFACE:	RS-232-C port / ASCII flat file