KEMKRAFT ENGINEERING, INC.

MODEL KEI-234 STEERING WHEEL INCLINOMETER / TORQUE SYSTEM

DESCRIPTION

The above picture displays a Kemkraft model KEI-234 battery operated Mini SPC Inclinometer / Torque system mounted to model KE234M1 Steering Wheel Gauge. The KEI-234 is a portable audit tool (Data Acquistion Unit) designed to measure steering wheel angle and straight ahead driving torque of the vehicle under test. An operator drives the vehicle in a normal manner with the knob on the KE234M1 fixture. The unit takes data samples to obtain an average steering wheel angle / straight ahead torque per vehicle. These average angles and torques can than be downloaded via standard serial interface into a personal computer for SPC purposes. The Model KE234M1 is an example of one of the many mechanical steering wheel gauges that Kemkraft manufactures for the Auto companies. The KE234M1 mounts on the steering wheel, from behind, for driver safety due to possible air bag inflation. Kemkraft manufactures Steering Wheel Gauges for a variety of steering wheels, for on line production or drive auditing. If Kemkraft does not manufacture a Steering Wheel Gauge that fits your current application, we can design a new one for you.

SPECIFICATIONS

POWER REQUIREMENTS:	Rechargeable Ni-Cad Battery Pack, Charger included
SAMPLING RATE:	3 Samples Per Second
TORQUE RANGE:	+/- 10 NM w/ +/-15 NM overrange
RESOLUTION:	+/- 0.01 Newton Meters
ACCURACY:	+/- 1.0% of Full Scale
DATA OUTPUT:	RS-232-C Port / ASCII flat file
OPERATING TEMP RANGE:	40 Deg F. - 120 Deg F.

OPTIONS

KEI-234S	KEI-234 w/ built in barcode scanner to scan VIN
KE234Mx	Mechanical Fixtures (SWG's), x = # to indicate different size tools
KE200TX	IR Transmitter
KE200RX	IR Receiver (connects to a PC, Receives data from the KEI-234)

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