

1914

WARNER AUTO METERS MAGNETIC TYPE



Model O-3-C. Price \$145.00

Flush-Type Clock Combinations

- MODEL O-3-B.** This is Model K-3 (illustrated on previous page) combined with an eight-day, stem-wind and stem-set Chelsea clock, $4\frac{1}{4}$ -inch dial face, finished to correspond with auto-meter, and mounted flush-type, with individual electric lights. Price \$145.00.
- MODEL P-3-B.** Same as Model O-3-B, but furnished with 100-mile speed dial. Price \$145.00.
- MODEL O-3-C.** Illustrated above. Same as Model O-3-B, but with $4\frac{1}{4}$ -inch Waltham clock, and one electric light in center between the two instruments. Price \$145.00.
- MODEL P-3-C.** Same as Model O-3-C, but furnished with 100-mile speed dial. Price \$145.00.

Flush-Type Single Models

- MODEL 54-A.** Same as Model 54, (on page 2) but mounted flush-type. Price \$100.00.
- MODEL 55-A.** Same as Model 54-A, but furnished with 100-mile speed dial. Price \$100.00.
- MODEL K-3-B.** Same as Model K-3, (on previous page) but mounted flush-type. Price \$75.00.
- MODEL L-3-B.** Same as Model X-3-B, but furnished with 100-mile speed dial. Price \$85.00.
- MODEL 50-A.** (Illustrated on page 2). Same as Model 50, but mounted flush-type. Price \$50.00.
- MODEL 51-A.** Same as Model 50-A, but with 100-mile speed dial. Price \$50.00.
- MODEL 52-A.** Same as Model 52, but mounted flush-type. Price \$55.00.
- MODEL 53-A.** Same as Model 52-A, but with 100-mile speed dial. Price \$55.00.



Model K-3-B. Price \$75.00

The Aristocrat of Speed Indicators

1914

WARNER AUTO METERS The Aristocrat of Speed Indicators MAGNETIC TYPE

THE Warner Auto-Meter is designed to meet the requirements of discriminating owners of motor cars who demand beauty, durability and accuracy in a speed indicator. That this magnificent instrument possesses these qualities in the superlative degree is evidenced by the fact that the Warner Auto-Meter is specified as regular equipment on the highest priced cars.

The Marvelous Mechanism in the Warner Auto-Meter

The speed indicating mechanism of the Warner Auto-Meter consists of two composite units. One, the magnetic assembly, is the driving unit which connects with the front wheel of the automobile through a flexible shaft, gears and suitable bearings. The other assembly is the Speed Indicating Unit. There is no connection whatsoever between the Driving and the Indicating units except the invisible force of Magnetism—which cannot wear. There are no cams, gears, links, levers or reciprocating parts of any kind.

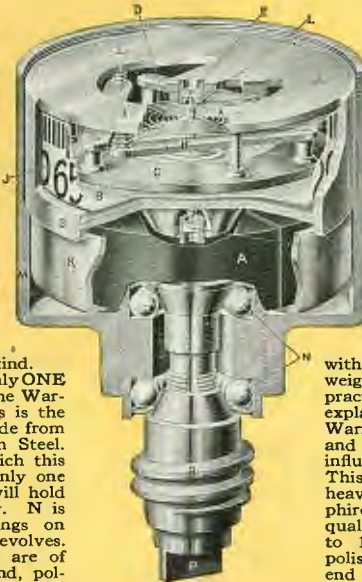
There is practically only ONE MOVING PART in the Warner Auto-Meter. This is the circular Magnet A made from one piece of Tungsten Steel. The formula from which this steel is made is the only one we have found that will hold magnetism indefinitely. N is the double ball-bearings on which the magnet revolves. Both cups and cones are of glass hard steel, ground, polished and finally lapped until they shine like burnished silver. C is a Field-Ring of soft steel which pulls the "lines of force" from the magnet towards itself—thus concentrating them. This Field-Ring is supported by three bi-metallic, or compensator bars H. These are made of soft brass and steel. The changes of temperature from hot to cold, or vice versa, warps or swells these bars. This action raises or lowers the Field-Ring, and thus changes the magnetic field so that it exactly counteracts the effect of the temperature changes on the hair-spring. It is the same feature that is in the costliest chronometers, and so regulates them automatically that they never lose or gain a second of time, regardless

of temperature changes: B is the Speed Dial Scale of aluminum, which, coming between the Magnet A and the Field-Ring C is deflected or moved by the influence of the magnetic "lines of force" a distance in exact ratio to the speed of the Magnet. This Speed Dial B, with Speed figures engraved on its rim, turns on a chronometer pivot L. To this pivot is attached a hair-spring C which resists the pull of the magnet on the speed dial, and returns it to O when the car stops moving. The dial, complete with pivot and hair spring, weighs only 106 grains—practically nothing—which explains in part why the Warner Speed Dial is steady and unwavering—entirely uninfluenced by the jars of riding. This pivot is mounted in extra heavy double bearings of Sapphire Jewels EF, the highest quality jewels made accurate to 1-2000th of an inch, and polished like a diamond. The end of the pivot is rounded so that the bearing surface is a dot. It makes the most nearly frictionless bearing known, and needs absolutely no attention in the way of adjustment or lubrication during an average lifetime. There is practically no wear whatever to a Warner Auto-Meter.

It is so well made, so supreme in every part, that it will remain during an average lifetime as accurate and reliable as when new.

This almost everlasting durability without loss of accuracy makes the Warner by far the most economical speed indicator to buy.

For these reasons prospective purchasers of speedometers—who are well informed—insist on getting the Warner and will gladly pay the extra price for its quality. Then, too, they realize that the appearance of a Warner on a car is an outward indication that its owner appreciates—and can afford—the best.



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WARNER AUTO METERS

MAGNETIC TYPE

Warner Auto-Meters—3 3/4-inch Models

3 3/4-inch Dial Face—60-mile Rotating Speed Dial—Without Electric Light.

This instrument indicates all speeds up to 60 miles an hour; has Total Season Odometer with a capacity of 100,000 miles, and a direct drive Trip Odometer with set-back attachment and capacity of 100 miles and repeat. The face of the dial is silvered and the odometer figures are black on white—an arrangement that makes them stand out clearly. The large, easily-read mile numbers of the speed dial are black on white. Dial face is protected by a thick beveled French plate glass, spun into heavy brass bezel. Finished either in brass, nickel black enamel or black copper.

MODEL 51. Same as Model 50, but furnished with 100-mile speed dial. Price \$50.00.

MODEL 50-A. Same as Model 50, but mounted flush-type. (Illustrated above.) Price \$50.00.

Here the dial is shown black, with odometer figures white on black. This combination is furnished if desired.

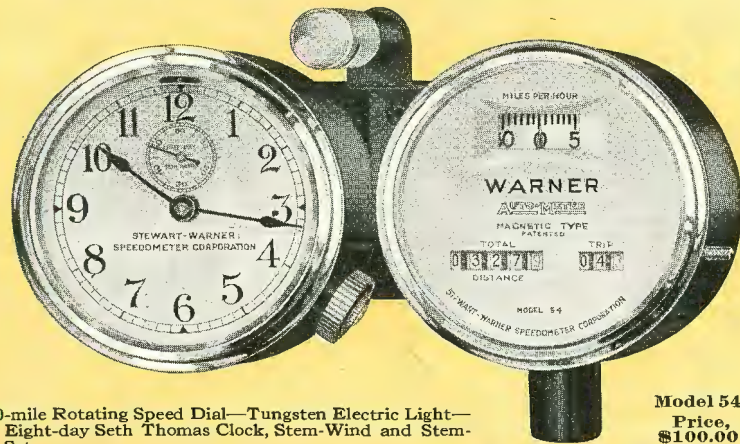
MODEL 52. Same as Model 50, but furnished with Tungsten electric light. Price \$55.00.

MODEL 53. Same as Model 52, but furnished with 100-mile speed dial. Price \$55.00.



Model 50-A. Price \$50.00
(Showing flush-type style of mounting)

Warner Auto-Meter Clock Combinations



60-mile Rotating Speed Dial—Tungsten Electric Light—Eight-day Seth Thomas Clock, Stem-Wind and Stem-Set.

This Model 54 is the Model 50 (described above) combined with an eight-day, stem-wind and stem-set Seth Thomas clock, 3 3/4-inch dial face, silvered and finished to correspond with Auto-Meter. Price, complete, ready to attach, \$100.00.

MODEL 55. Same as Model 54, but furnished with 100-mile speed dial. Price \$100.00.

MODEL O-3. This is Model K-3 (shown opposite) combined with a 4 1/4-inch Chelsea Clock and mounted like Model 54, but with individual electric lights. Price \$145.00.

MODEL P-3. Same as Model O-3, but furnished with 100-mile speed dial. Price \$145.00.

Model 54
Price,
\$100.00

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WARNER AUTO METERS

MAGNETIC TYPE

Warner Auto-Meters—4 1/4-inch Models

4 1/4-inch Dial Face—60-mile Rotating Speed Dial—Hooded Tungsten Electric Light.

MODEL K-3. This model indicates all speeds up to 60 miles an hour. Has extra large Odometer consisting of Season Odometer with a capacity of 100,000 miles and repeat. Trip Odometer, with 1000 mile capacity, has special reset device. The dials are polished celluloid, reinforced by bronze, and bear extra large numbers in black. Tungsten electric light is located under dial glass in metal hood,



Model K-3
Price \$75.00

which concentrates the light on the speed and distance figures and prevents the escape of any rays to blind the eyes of the driver. Dial face is protected by a thick beveled French plate glass spun into a heavy brass bezel. Complete, ready to attach. Price \$75.00.

MODEL L-3. Same as Model K-3, but with 100-mile speed dial. Price \$85.00.

Vertical Clock Combinations

MODEL M-3. This model designed for those who prefer a perpendicular installation with the clock over the speedometer. It is a combination of Model K-3 and an eight-day, stem-wind and stem-set Chelsea clock with a 3-inch dial, black figures on silver, to match Auto-Meter. Price, ready to attach, \$125.00.

MODEL N-3. Same as model M-3, but with 100-mile speed dial. Price \$125.00.

MODEL M-3-B. Same as Model M-3, but with 2 3/4-inch Waltham clock. Price \$135.00.

MODEL N-3-B. Same as Model M-3-B, but with 100-mile speed dial. Price \$135.00.

MODEL 56. This is a vertical combination of Model 50, and a 3-inch No. 2 Seth Thomas clock, with electric light. Price \$90.00.

MODEL 57. Same as Model 56, but with 100-mile speed dial. Price \$90.00.



Price \$125.00
Model M-3

The Aristocrat of Speed Indicators