

Description:

Types "EDA" and "EDS" single-phase combined watthour and thermal demand meters are similar in function to the type "ED3", but modified structurally to fit into the standard A and S enclosures. The watthour element carries full line current as in the "ED30" being in series with the primary of the current transformer supplying the demand element. This differs in minor details only from previous types, but the watthour element design has required material change for adaptation to the new enclosures. The current and potential transformers supplying the demand element are mounted at the extreme back of the meter, with the watthour element mounted forward above, and the demand element below.

Adjustments:

Demand: Full load, zero, and friction -  
micrometer type; located front of meter.

Watthour: Full load - micrometer type; located front of meter.  
Light load - micrometer type; located right side of meter.  
Power factor - soldered resistance strip; located right  
side of meter at back.

Special Features:

Your attention is specifically directed to the fact that in the "present" or "(a)" series, the sizes above 10 ampere have greater capacity in demand element than previous "ED" series of the same nominal size; and again in the "uniform" or "(b)" series, the demand elements have double the capacity of the "(a)" series for the same nominal size. These meters of the same nominal rating but of differing demand element capacity can be distinguished by their marked <sup>maximum</sup> current ratings.

A full table of ratings with pertinent details is appended.

Yours truly,



J. L. Stiver,  
Director.