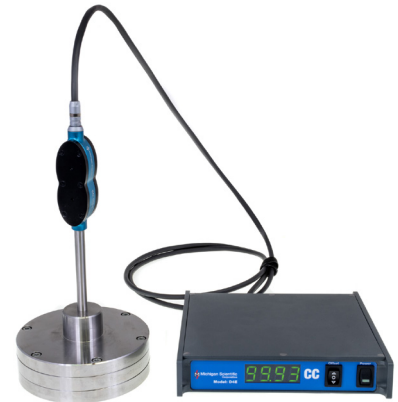


Volumetrics Instrument

CompRatio-D4(E)

- Accurately measures cylinder volume
- Simple setup
- Acoustic (non-pneumatic)
- Temperature compensated



Description

The *CompRatio-D4(E)* accurately and quickly measures engine cylinder volume with new proprietary acoustic technology. An adapter and the *D4(E)* probe easily replaces the standard spark plug. The system accurately measures a wide range of cylinder volumes and quickly displays the measured volume within seconds. Automatic compensation provides for accurate measurements over a temperature range of 0 °C to 40 °C (0 % to 95 % humidity, non-condensing).

The *D4(E)* measurement system is designed to be easily integrated into the vehicle. It contains a DC powered interface electronics box with a digital readout of the volume obtained from the short measurement probe, allowing it to get into tight spaces. The instrument is powered by an off-shelf AC/DC wall transformer. Innovative construction allows the *D4(E)* to be operated in noisy shop environments and still make accurate readings. It also has internal temperature compensation and can be used to measure both hot and cold engines.

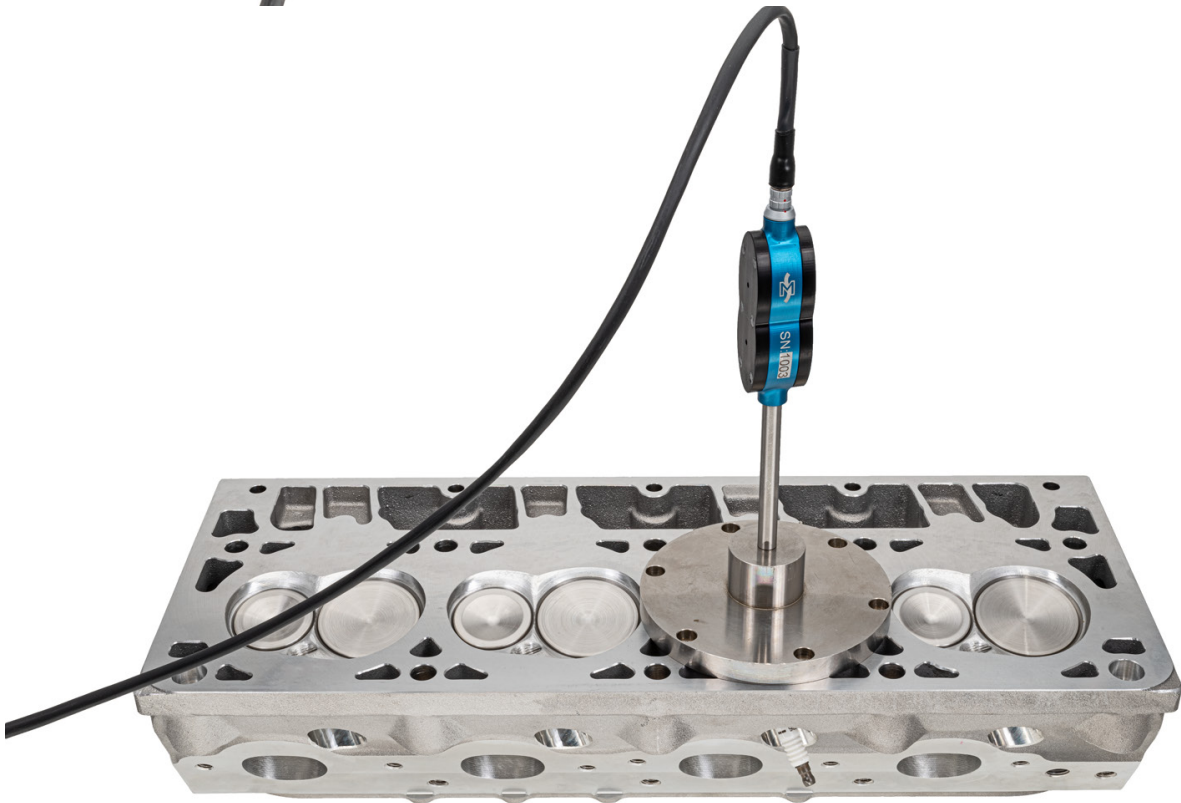
The *D4(E)* includes an external reference volume for compensating changes in ambient conditions from measurement to measurement. Through the use of ambient compensation, the *D4(E)* is capable of an accuracy of better than 1 % of volume reading. The volume measurement range is 15 cm³ to 1200 cm³.

Ordering Options

The adapters and reference volumes are made to order. For adapters, be sure to specify the adapter thread, reach, and seat of the intended spark plug at the time of order. For reference volume(s), be sure to specify the desired bore, volume and material type (stainless or titanium) at the time of order.

Volumetrics Instrument

CompRatio-D4(E) Application Photos



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