

## Engine Test Stand



Viatran's "45" Series pressure transmitters provide test stand customers with an accurate means of electronic pressure measurement. Since many operating variables which can affect an engine's performance are tested throughout the manufacturing process, engine manufacturers require various types of measurement products that offer superior accuracy and versatility to meet their diverse engine test specifications. From design acceptance through production testing, Viatran's "45" Series offers engineers the choices they need to meet changing specifications.

Test stands are used extensively during engine development to help maximize engine efficiency and performance of each new engine design. Viatran's "45" Series has been specified on pre-production engine test stands to measure pressure in oil and fuel pumps, crankcases, and to measure exhaust, coolant, vacuum and exhaust gas recirculation (EGR) pressure. The "45" Series is used by virtually all automotive engine companies, many of whom have worked with Viatran to customize units to meet their specific needs.

The "45" Series, with available outputs of 0-5 VDC and 4-20 mA, has been used to test production engines, transmissions and compressors. Another application ideally suited to the "45" Series transmitters involves pressure measurements in the development of oil and fuel formulations. The "45" Series offers high accuracy, small size, stability and quick response. Signal output, proof pressures and the pressure range can all be modified to meet your application needs. The "45" Series features superior noise protection against EMI and meets all applicable CE Standards. Add to these product features accuracy at low pressures and stability at high temperatures, and Viatran's "45" Series transmitters become the reliable and economical choice for test stand pressure measurement.



Model 345  
Pressure  
Transmitter

Viatran's pressure transmitters provide customers with unique versatility, making Viatran a single source of supply. Viatran's transmitters offer all types of measurement, including gage, absolute, DP and vacuum. The availability of field calibration also provides engineers the ability to test the instrument without a precise pressure source. This setup enables use in remote areas as well as less frequent recalibrations.

Whatever your engine test stand requirements are, Viatran's application engineers can help you find the exact instrumentation you need.

Call us for more information.

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