

Technical Note

BACHARACH®

621 Hunt Valley Circle
New Kensington, PA 15068
Telephone: 724-334-5000
FAX: 724-334-5001

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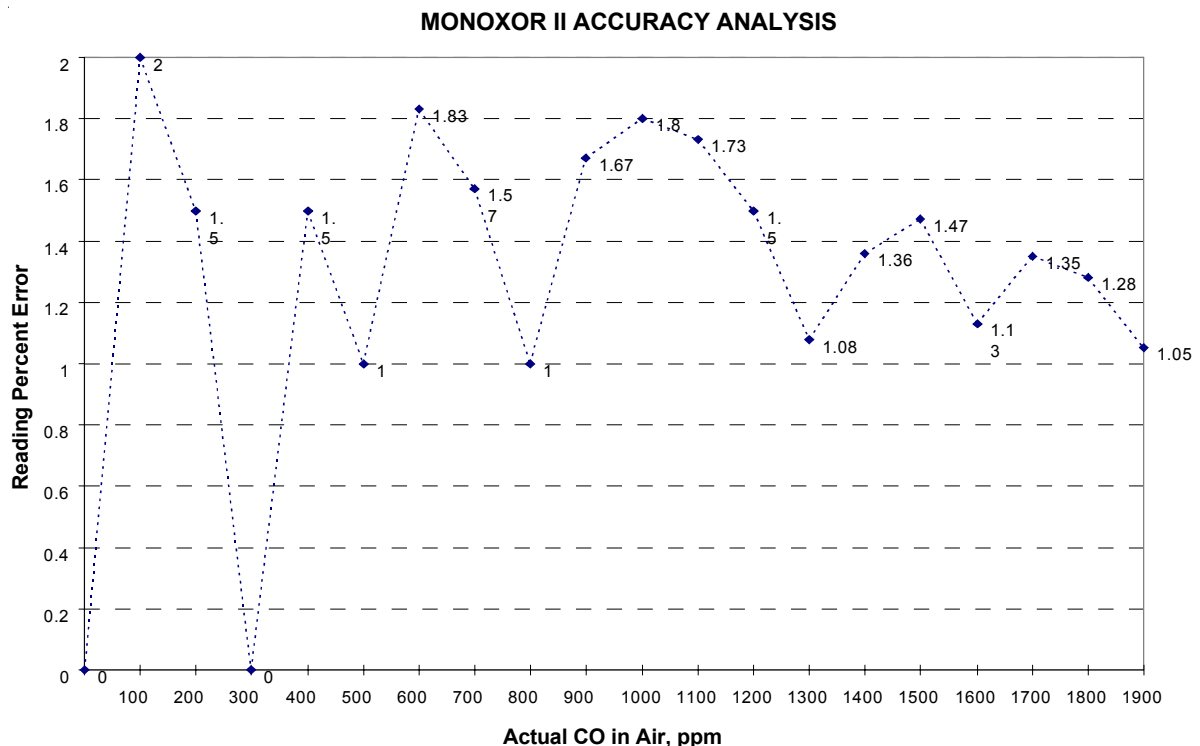
Accuracy of the Monoxor II

P/N 19-7034 and 19-8004

Bacharach sales and product literature state the accuracy of the Monoxor II to be within ± 5 percent of reading in any part of the instrument's range. This is an accuracy rating, which, by industry standards, means a limit that measurement reading errors will not exceed. There are a number of accepted ways to express accuracy. The Monoxor II method is one of the most stringent.

A recent test on a new Monoxor II chosen at random indicated the accuracy was always within 2 percent of the reading, and accuracy actually improved as the concentration of CO gas increased. The results of this test are shown below. Tests to determine what happens to the instrument after repeated readings indicate the instrument will remain this accurate.

The accuracy stated in sales and product literature is conservative. Properly calibrated instruments will be accurate to an even greater degree than the literature indicates.



This same data could be reported as 2 ppm or 2% of reading, or 1.15% of full scale.