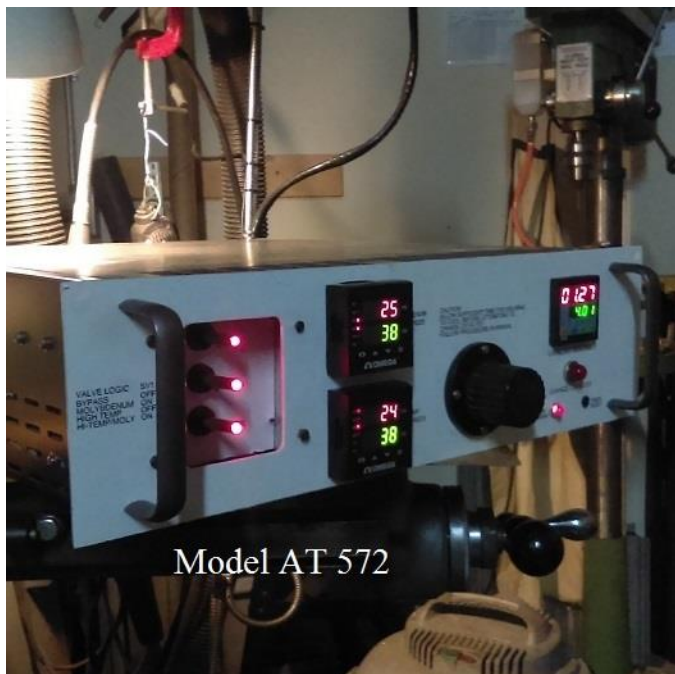


When “Close enough” just doesn’t make it, try our converters.....

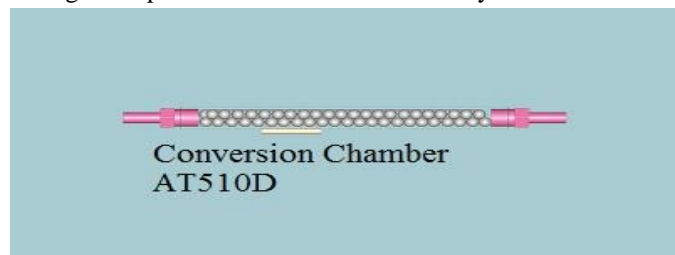


Model AT 572

NOx analyzers have always been the gold standard when it comes to accuracy and stability. When other gas species analyzers were struggling to measure in ppm range, Nitric Oxide Chemiluminescent analyzers were measuring ppb's. One problem with chemi's is the inability to measure anything but Nitric Oxide. So to correct this shortcoming the addition of on board converters began to be integrated into NOx analyzers. For the most part when converter use became accepted Molybdenum was used as the catalyst and it works well except it is consumable and requires elevated temperatures both of which become problematic when catalyst needs to be changed and the addition of elevated temperatures inside the analyzer. So to eliminate the need for catalyst change-outs another type of converter was used, with the advent of high temperature converters the catalyst change-out went away but other problems developed. High temperature converters typically deliver lower efficiency and much more heat inside the analyzer. One other effect is due to the higher operating temperature and that is conversion of other gases into acids. This by itself is not a big deal until those gases that are held in a vapor state condense and that is a problem. This is why Datatek/Thermlcon has developed a complete line of stand-alone NOx converters.

The “500” Series

Our new line of NOx converters was developed to increase efficiency and to minimize down time when changing catalyst. No tools are required and no contact is ever made with the catalyst during change-outs. Our AT572 model can run Moly or High Temp or both or none the choice is yours.



Model 510D (Molybdenum)

The model 510D offers an economical way to increase accuracy while not breaking the bank. This is an in-line unit that has manual bypass valving and can be mounted before inlet to analyzer (must be mounted on inlet leg of slip stream).

Model 520S (SS High Temp)

Same features as the model 510D but based on thermal conversion and is non consumable. This unit will last for years. Not for use with elevated levels of sulfur.

Model 530D (Molybdenum)

Rack mount unit with the “no tools” catalyst chamber for easy change outs.

Model 540S (SS High Temp)

Rack Mount

Made for non-sulfur application and will last years.

Model AT572 (Molybdenum/SS)

Rack Mount

This Unit has all the bells and whistles from Moly use counter, flow alarm, dual temperature controls. Can be used as a catalytic or thermal converter and can in-line both converters for superior efficiency. Pulsed fired and zero crossover for long component life. As with all units bypass is available for quick check functionality.

Call or Write for spec sheet

Datateksystems.com