

Model 401 NO₂ Converter



The Model 401 NO₂ Converter (above photo, right), when used in combination with the Model 410 Nitric Oxide Monitor, (above photo, left) allows measurements of NO, NO_x (NO_x = NO + NO₂) and NO₂ (as the difference between NO_x and NO) in the range 0-2,000 ppb. The NO₂ Converter also contains an internal scrubber for scheduled zeroing of the NO Monitor. The NO₂ Converter makes use of a molybdenum ("moly") converter heated to 325 °C to reduce NO₂ to NO. Frequencies of switching between NO and NO_x measurements and zeroing frequencies are chosen from the NO Monitor menu. The instrument package may be set to either always measure NO, always measure NO_x, or switch back and forth between measurements of NO and NO_x at a specified interval (5 min, 15 min or 1 hour). Choices of zeroing frequency are never, continuous, and at 30 min, 1 hour and 4 hour frequencies. Menu choices of NO/NO_x and zero measurement frequencies can be customized to your needs.

Specifications

NO₂ Conversion Principle	Molybdenum Oxide at 325 °C
Dimensions of Instrument Case	3.8 x 7.5 x 9.5 in. (10 x 19 x 24 cm)
Weight	4.9 lb. (2.2 kg)
Power (specify 110 or 220 VAC)	60 Watt (max); ~30 Watt after warmup
Sample Flow Rate	1 L/min
NO/NO_x Sampling Interval Choices	Always NO, Always NO _x , 5 min, 15 min, 1 hr (can be customized to your needs)
Zeroing Frequency Choices	Always Off, Always On, 30 min, 1 hr, 4 hr (can be customized to your needs)