

AMETEK 3050 AM Moisture Analyzer

The Model 3050-AM Moisture Analyzer reliably measures low concentrations of moisture in high purity gases at concentrations down to 0.1 parts-per-million by volume (ppmv), using a quartz crystal microbalance (QCM) sensor. The calibrated range of the analyzer is 0 to 100 ppmv with a trend indication for measured concentrations to 1000 ppmv. The QCM-sensor technology used in this analyzer is compatible with inert gases, air, oxygen, nitrogen, hydrogen, many Freons (12, 114, 116, etc.), and some specialty gases (e.g., sulfur hexafluoride). Carbon dioxide requires a custom sensor assembly. Please contact the factory to confirm compatibility with other gases.



Specifications			
Operating Range	0.1 to 100 ppmv.	Sample Flow	less than 150 ml/min
Accuracy	±10% of reading	Power Requirements	115/230 VAC, ±10%, 50/60 Hz
Response Time	63% in 5 minutes	Environment	5°C to 50°C
Compatible Gases	He, Ar, Ne, Xe, Kr, H ₂ , O ₂ , N ₂ , Air, and some specialty gases	Limit of Detection	0.1 ppmv

AMETEK 5830 Moisture Analyzer



The Model 5830 Moisture Analyzer reliably measures low concentrations of moisture in high purity gases at concentrations down to 20 parts-per-billion by volume (ppmv), using a quartz crystal microbalance (QCM) sensor. The calibrated range of the analyzer is 0 to 100 ppmv with a trend indication for measured

concentrations to 1000 ppmv. The QCM-sensor technology used in this analyzer is compatible with inert gases, air, oxygen, nitrogen, hydrogen, many Freons (12, 22, 32, 114, 116, 218, etc.), methane, ethane, propane, and some specialty gases (e.g., sulfur hexafluoride). Carbon dioxide requires a custom sensor assembly. Please contact the factory to confirm compatibility with other gases.

Specifications			
Operating Range	0 to 100 ppmv%, indicates trend to 10000 ppmv	Sample Flow	Approx. 150 sccm
Accuracy	±20 ppbv or 10% of the reading	Power Requirements	115/230 VAC, ±10%, 50/60 Hz
Response Time	63% of a step change in either direction in less than 5 minutes	Environment	5°C to 50°C
Compatible Gases	He, Ar, Ne, Xe, Kr, H ₂ , O ₂ , N ₂ , Air, and some specialty gases	Limit of Detection	20 ppbv