

Tritium and C-14 Stack Monitor Triathalon Series

Triathalon CAM-TCI-H3 plus Inorganic C-14 (CO₂), Triathalon CAM-TCO-H3 plus Organic C-14
Triathalon CAM-TC – Multi-Nuclide System

Description

- The subtractive balanced chamber electrometer circuit and optional Radon Rejection decreases background effects to negligible levels.
- The deionized and filtered intake reduces to negligible levels spuriousity based on smokes, dusts, and existing ionization in the air.
- Inlet and outlet hoses provide return of monitored air to source: interiors of fume hoods and exhaust stacks, etc.
- All instruments are calibrated at the factory. Calibration check may be performed in the field with a license exempt μ Curie level Beta source.


Airborne Activity	Model	CAM TCO (1)	CAM TCI (1)	CAM TC	CAM 33	CAM 33-4	CAM 33-6	321/421 NPPM (1)
	Chemical Form							
Tritium H3	T ₂ , HTO T ₂ O	YES	YES	YES			YES	YES
Carbon C-14: Inorganic Organic	CO ₂ Various	— YES	YES —	YES OP			OP YES	
Particulate	Alpha							
Particulate	Beta				YES	YES	YES	
Iodine				OP	YES	YES	YES	
Noble Gas: Gross/All Argon Xeon Radon				YES OP OP RX	YES	YES	YES OP OP RX- OP	CURIE-MeV OP OP RX



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