


Fields of Application Respirable Dust



The measurement of respirable dust concentrations is of high importance to ensure proper health protection at workplaces and to monitor the potential immission contamination of the environment. Dust-measuring instruments from Hund are well suitable for a variety of

applications. The products are characterised by a robust design for use in a rough environment and by easy handling for mobile and stationary use. Display and analysis of the measurements is carried out with a dedicated software package on a PC. Depending on the application, the optimal technique utilising gravimetric or photometric principles - or a combination of both - is implemented. In addition, we provide expert consultancy to recommend the right solution for your individual measuring task.

Application-Matrix Respirable Dust

	Emission Measurement	Ingression Measurement	Mobile Operation	Stationary Operation	Workplace Monitoring				Monitoring Ventilation and Air Conditioning				Controlled Areas				
					Construction Sites	Bulk Goods	Tunnel Construction	Wood Processing	Mining (below & above ground)	Emission from Machines	Filter Monitoring	Oil Fumes	Weld Smoke	Supply & Exhaust Air	Production of Medical Goods	Precision Engineering	Plastic Injection Moulding
TM Data II, scattered-light photometer	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
Respicon 1TM, combined gravimetric and photometric measurement of I, T, and R-Dust		X	X		X	X	X	X	X	X			X	X	X	X	X
Respicon TM, combined gravimetric and photo-metric measurement of I, T, and R-Dust	X	X	X		X	X	X	X	X	X			X			X	
Respicon, gravimetric dust collection system for I, T, and R-Dust	X	X	X		X	X	X	X	X	X			X			X	
TM-E, scattered-light photometer	X			X		X		X	X	X	X	X	X	X			
TM-SE, scattered-light photometer		X		X				X	X	X	X		X				
TM-M, scattered-light photometer	X	X		X									X	X	X	X	X

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