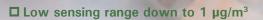


Distributed by: Air-Met Scientific Pty Ltd Air-Met Sales/Service P: 1800 000 744 F: 1800 000 774

SM-4000

Air-Met Rental P: 1300 137 067 E: hire@airmet.com.au

W: www.airmet.com.au **Personal Silica Monitor Complementary Monitoring for Silica Mitigation**



□ High precision of ±3 µg/m³

□ Readings display in μg/m³ — no conversions needed

□ Comes standard with GS-3 Cyclone that conforms to ISO 7708/CEN criteria

SKC Inc. 724-941-9701

□ Concurrent filter sampling option for lab analysis and/or cross-calibration of displayed results

- Gravimetric filter cassette located directly behind the sensor for maximum particle deposition
- Internal pump flows at 2.75 L/min (user adjustable)

☐ Sensor and filter cassette clips directly in the breathing zone

■ Datalogging

 DustComm Software for downloading, basic trend analysis, and graphical analysis and comprehensive graphical reporting

Silica Monitor SM-4000 is a direct-reading personal dust monitor optimized for the measurement of silica levels specified in the OSHA Final Silica Rule. Calibrated to a known amount of silica dust, SM-4000 provides direct readings for determination of peak silica concentrations for mitigation and lower TWAs. The SM-4000 internal pump and gravimetric filter cassette (directly behind the sensor) provide for concurrent collection of a gravimetric sample for silica analysis and cross-calibration. Use the SM-4000 for:

- Perimeter monitoring of regulated areas with user-set alarms
- · Evaluation of controls and worker activities
- · Recording time history of dust levels

- Filter sampling for lab analysis
- · Task monitoring
- Selecting PPE



SKC-West 714-992-2780 SKC Gulf Coast 281-859-8050

SM-4000 Personal Silica Monitor

Complementary Monitoring for Silica Mitigation

Easy to Use SM-4000



Clip the sensor with GS-3 Cyclone to a worker's collar in the breathing zone.



Clip the SM-4000 to a worker's belt.



Read dust concentration on the SM-4000 display. Download data for graphing/reporting.

Performance Profile

Sensor: Light scattering

Flow Rate: 2.75 L/min (user adjustable)

Sensing Range: 1 to 20,000 µg/m³ (0.001 to 20 mg/m³)

Precision: $\pm 3 \mu g/m^3 (0.003 mg/m^3)$

Display: Concentration in µg/m³, TWA, STEL, MIN, and MAX

Accuracy: ± 10% to filter gravimetric SAE fine test dust

Gravimetric Filter Sampling Requirements: 37-mm PVC filter for the supplied 37-mm in-line cassette (25-mm filter and cassette options are available.)

Ordering Information

Description	Cat. No.
SM-4000 Personal Silica Monitor Kit includes SM-4000	
Monitor, GS-3 respirable cyclone, 37-mm in-line filter cassette,	
serial computer cable, serial to USB adapter cable, battery	
charger, zeroing filter, HAZ-DUST media CD with instruction	
manual and DustComm Pro Software (compatible with Windows	
XP, 7, 8, and 10), and carry case 110-240	770-700

Requires calibration with equipment sold separately; see below

Accessories	Cat. No.
Calibration Standard for Monitor, for verifying span and	
optical sensor performance	770-140
Calibration Jar, for calibrating and setting pump flow when	
using a respirable cyclone	225-112
Cleaning Kit, for cleaning SM-4000 Monitor	770-305
Replacement Battery Pack	770-4105

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to http://www.skcinc.com/warranty.

