TSI® Knowledge Beyond Measure.

Real-Time. All The Time. Personal Aerosol Sampling.

SidePak™ AM520 Personal Aerosol Monitor

The Power of Real-Time Monitoring Instant Results Allow Immediate Corrective Action

The SidePak™ AM520 Personal Aerosol Monitor is the perfect solution for real-time access to aerosol mass concentration readings of dusts, fumes, mists, smoke and fog within a worker breathing zone.

Now more than ever, respirable crystalline silica is a prevalent occupational hazard requiring worker exposure monitoring. Protecting workers require real-time monitoring of exposed workers to track down the problem and take immediate corrective action (e.g. engineering control evaluation, work practice changes, need for PPE, etc.). Real-time monitoring then provides rapid validation to ensure you are on the right path to reducing worker exposure and gaining confidence with compliance before doing reference gravimetric testing. With the SidePak™ AM520 Personal Aerosol Monitor, new application features to address this real-time benefit include:

- Dual display and data logging of mass concentration and response concentration (i.e., for respirable silica, welding fume and DPM monitoring applications)
- Store up to 10 custom calibration factors on the instrument
- Custom calibration factor calculator updates on TrakPro™ v5 Data Analysis Software
- Enhanced alarm features to set both the mass concentration and response concentration (i.e., action limit) alarm values.

Real-time dust monitoring has many advantages over traditional gravimetric measurements when performing a respirable dust monitoring program within the worker breathing zone. Instant alarm notifications allow workers to take immediate action to reduce exposure of dusts, fumes, mists, smoke and fog within a worker breathing zone.

With the SidePak AM520 Personal Aerosol Monitor, real-time monitoring can accomplish in days what normally takes weeks with traditional gravimetric sampling programs.

Dare to compare to your current exposure monitoring program.

Introducing the SidePak™ AM520 Personal Exposure Monitors...

- The industry's smallest, battery operated, most portable, long running, data-logging personal dust monitor.
- A rugged belt-mounted, light-scattering laser photometer used to monitor day-to-day exposure to improve worker health and safety.
- For real-time measurement of: PM10, PM4 (respirable), PM5 (China standard), PM1, PM2.5 and 0.8µm Diesel Particulate Matter (DPM).

Unmatched Benefits to Reduce Worker Exposures

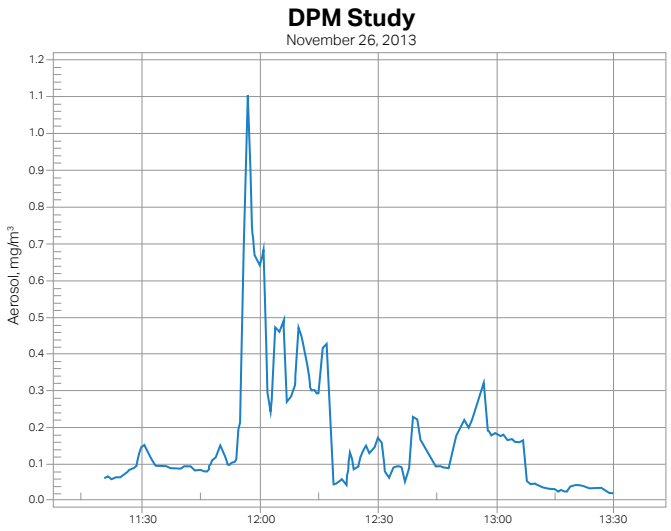
- NOW with dual display and logging of mass concentration and response concentration on one screen
- NOW stores up to 10 custom calibration factors on the instrument for different applications
- Updated TrakPro™ v5 Data Analysis Software including:
  - Custom calibration factor calculator to simplify calibration factor process
  - Continued ability to name custom calibration factors and upload them to the instrument
  - Enhanced alarm features to include response concentration alarm value
- Broader applications than current real-time personal aerosol monitors
- High concentration dust environments and confined spaces
- DPM measurement
- Loud audible and bright visual alarms sound when unsafe conditions exist
- Provides immediate access to real-time information
- Saves time and money with greater worker safety
- Increases confidence of compliance

Industry Applications Are Endless

The SidePak AM520 Personal Exposure Monitor is ideal for measuring worker exposure of respirable dust, silica, welding fume, and DPM in a wide range of industrial environments.

- Aerospace
- Automotive
- Chemical
- Construction
- Foundry
- General Industry
- Healthcare
- Manufacturing
- Mining
- Petrochemical
- Pharmaceutical
- Power Generation
- Pre-Cast Concrete & Cement
- Transportation

Instant Data Reporting and Logging is Simple Download test data to TrakPro™ v5.0 software and quickly identify source problems, take corrective action and validate them in shorter time with real-time monitoring—while saving money and increasing worker safety!



When You Need To Know—
Use The Instruments Professionals Trust!

No Environment is Too Challenging for the SidePak™ AM520 Personal Aerosol Monitor

Silica Dust Monitoring

The New OSHA Silica Ruling for Occupational Exposure to Respirable Crystalline Silica has the many industries scrambling to ensure they are in compliance with new exposure action thresholds of 25µg/m^3 and PEL Limits of 50µg/m^3. In most cases, protecting workers will require real-time monitoring of exposed workers so immediate corrections can be made and validated.

According the new OSHA report, Silica is a serious threat for over 2 million U.S. workers, in more than 115 industry categories including more than 100,000 workers in high risk jobs like:

- Abrasive blasting
- Foundry work
- Stonecutting
- Quarry work
- Mining
- Concrete and pre-cast manufacturing

OSHA mandates limiting worker's exposure to respirable crystalline silica and to take other steps to protect workers. Prolonged exposure that can increase risk of silicosis, chronic obstructive pulmonary disease, and lung cancer. Professionals tasked with meeting these new standards for silica dust monitoring in real-time, look to the SidePak AM520 Personal Aerosol Monitor from TSI—
The Real-Time solution for Real-Time challenges.

For more information please visit;
www.osha.gov/silica

Diesel Particulate Matter (DPM) Monitoring

Diesel-powered equipment is used in many workplace environments, and confined spaces every day. OSHA estimates that over 1 million workers are exposed to diesel exhaust in such industries as:

- Mining
- Transportation
- Construction
- Agriculture
- Maritime
- Many manufacturing operations

OSHA recommends protecting worker's from prolonged exposure that can increase risk of cancer and other pulmonary and cardiovascular diseases. Look to the SidePak AM520 Personal Aerosol Monitor for DPM monitoring—
The Real-Time solution for Real-Time challenges.

For more information please visit;
OSHA - Diesel Particulate Matter
www.osha.gov/dts/hazardalerts/diesel_exhaust_hazard_alert.html

See SidePak AM520 Personal Aerosol Monitor spec sheet for complete product specifications.

Specifications are subject to change without notice.

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Knowledge Beyond Measure.

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