

## A NEW DIMENSION IN RISK ASSESSMENT

measuring – videoing – deducing – convincing

### What is PIMEX?

PIMEX uses a video camera and measuring instruments to give you a comprehensive picture of a job or a workplace.

We film the flow of work with a video camera and make a synchronous recording of the exposure data (noise, air pollutants, etc) using direct-reading measuring instruments. We insert this exposure data in the video film as bars or as columns, so that you have instant access to the data and can use them for further assessment.

### How can PIMEX improve risk assessment?

Inserting the exposure data directly into the video of the workplace makes the exposure, unfavourable workplace situation, and peak exposure visible for the first time or makes them much easier to see. PIMEX makes it easier to check whether or not an exhaust/extraction system is effective, for instance.

### Consciousness raising

PIMEX is far more than just a method of analysing the workplace situation. Because it combines a video assessment with an instrumental assessment it helps all parties to really see the exposure in a particular job or workplace, and that motivates them to look for a solution. PIMEX videos are particularly useful for technical safety instruction and for training the workforce.

### What can we measure with PIMEX?

#### Hazardous substances

Dust, fine dust/respirable dust, solvents

#### Physical exposure

Noise, heat radiation, vibration

#### Ergonomic factors

lighting, air quality (temperature, humidity, air stream velocity/draughts)

#### Reaction to stressors

heart rate, changes in heart rate, body temperature, rate of breathing

### References/PIMEX users

The Kooperationsstelle has several years experience with the new Austrian KOHS PIMEX-software, both with companies and with industrial hygiene and health bodies. Amongst others, with:

- VECTOR European Project:  
fine dust exposure of bicyclists in cities
- Meyer Werft Shipbuilding: welding workplaces
- Employers' Liability Insurance Association: Precision Mechanics and Electrical Engineering (Berufsgenossenschaft Feinmechanik und Elektrotechnik)
- DEI (Power Company, Greece):  
workshop and transformer cleaning
- Dakkapellen (plastic mouldings, Netherlands):  
Styren exposure
- Seminars for Occupational Health Insurance Associations: noise, heart rate
- And with many more firms in various branches

### Our offer

We tailor our PIMEX analysis to the work situation and exposure. Our minimum service consists of the exposure measurements and production of the video with the raw measurement data (CD). On request, we can produce a condensed and adapted version for training and instruction

You can download a sample PIMEX video from [www.pimexservice.de](http://www.pimexservice.de), under the rubric "PIMEX-videos"

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