

# microPac Plus



**Personal Single Gas Instrument with Vibrating Alarm  
for 6 Different Gases**



# microPac Plus

- **Compact pocket-sized instrument for personal monitoring and measurement of :**
  - **Carbon Dioxide,**
  - **Carbon Monoxide,**
  - **Hydrocyanic Acid,**
  - **Hydrogen Sulphide,**
  - **Oxygen,**
  - **Phosphine.**

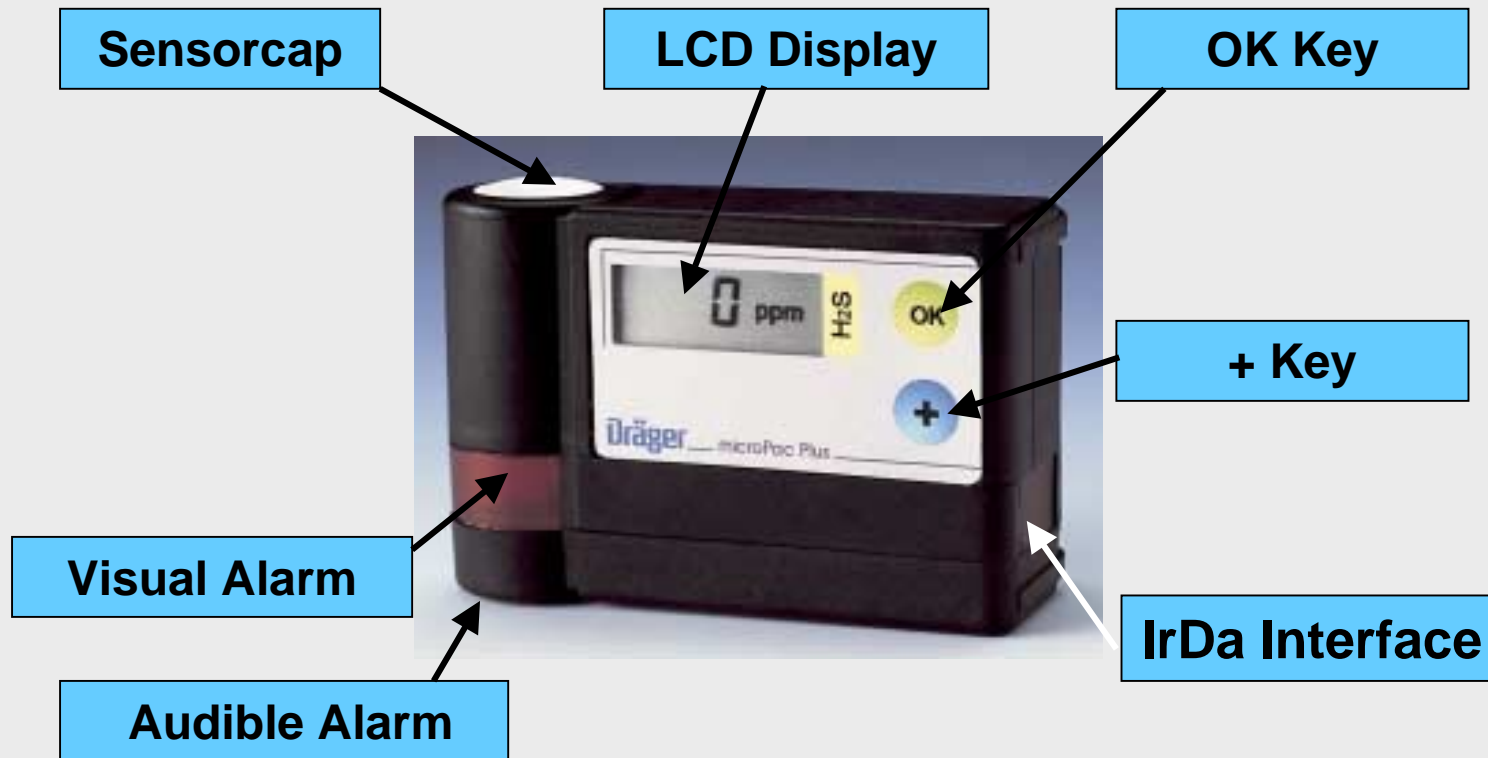


# microPac Plus

- Only provides basic monitoring functions
- Ideal for shut down / turn-around operations, Steel, Fire Service, Petro-Chemical, Oil & Gas, Food & Beverage, Fumigation, etc.



# microPac Plus



# DrägerSensors®

- **microPac Plus Sensors**
  - Variations of XS Sensors  
CO, H<sub>2</sub>S, O<sub>2</sub>, HCN, PH<sub>3</sub>, & CO<sub>2</sub>
  - **Depending on instrument version up to 2 years without calibration**
  - Renewable for the next measuring period
  - Changeable dust / mist and chemical filter



# Only 2 Button Interface

- **Switch on:** press “OK” key
- **Switch off:**  
press “OK” und “+” key together
- **Switch off audible alarm:**  
press “+ key”
- **Remaining life, while switched off:**
  - press “+ key”:
  - SEL / no. of days sensor end of live



# Display Interface

- Large characters
- Gas concentration
- Measuring units
- Gas measured label
- Alarm indication
  - A 1 & A 2
- Alpha codes:
  - On, Off, IrDa, SEL



# Alarm Interface

- **Integrated vibrating alarm**
- **Loud audible alarm :**
  - **> 85 dBA @ 30 cm / 1 ft**
- **Bright visual alarm:**
  - **2 high-intensity LED's, visible: 180 °**
- **Alarms pointed towards user eyes and ears**
- **Can be worn on lapel or hard-hat**





# Alarm Interface

- Vibrating alarm
- Unique alarm cadence for visual and audible alarms




**A 1:** single beep

**A 2:** double beep

**F:** steady

- LCD characters

- A 1 & A 2 in display

|   |  |
|---|--|
|    | <p>A1 Alarm<br/>Low -level<br/>Warning</p> |
|    | <p>A2 Alarm<br/>High-level<br/>Danger</p>  |
|  | <p>F Alarm<br/>Instrument<br/>Fault</p>    |



# Power Supply



- **Lithium batteries**

expected life up to 24 months



# Main Ex-Approvals

Europe

CE - mark

II1G EEx ia IIC T 4 - 40 ° < Ta < 55 °C

I M 1 EEx ia I DMT 98 ATEX E021 X



USA

UL Class I, II, III Div. 1

Groups A, B, C, D, F, G, T 4

- 40 ° < Ta < 55 °C, Ex ia



Canada <sup>1)</sup>

CSA Class I Groups A-D,

Ex ia, T 4



Shipping <sup>1)</sup>

Steering Wheel Certificate

<sup>1)</sup> pending



# Rugged Enclosure

- **Designed for typical industrial applications**
- **Polyamide housing resistant to corrosive chemicals and denting**
- **RFI shielding per IEC specification**
- **Sealed against water and dust ingress IP 54**



# Applications

- **Market demands**

- Maintenance-free during operation period
- Simple operation
- Very small size and weight
- Clip on lapel for deep center of gravity

- **Market segments**

- Oil & Gas Industry
- Petro-Chemical Industry
- Steel / Metal Industry
- Mining
- Fire Service
- Food & Beverage
- Wineries
- Fumigation



# Accessories

- **Carrying cases**
- **Hard-hat attachment**
- **Configuration Software**
- **Calibration supplies**
- **Service contracts**



# Software Functions

- Change alarm levels
  - A 1 & A 2
- Change display mode
  - Non-display mode
  - OK mode
- “Switch Off” disable
- Security beep
- Measuring units
  - ppm or mg / m<sup>3</sup>
- Calibrate sensor
- All settings secure

