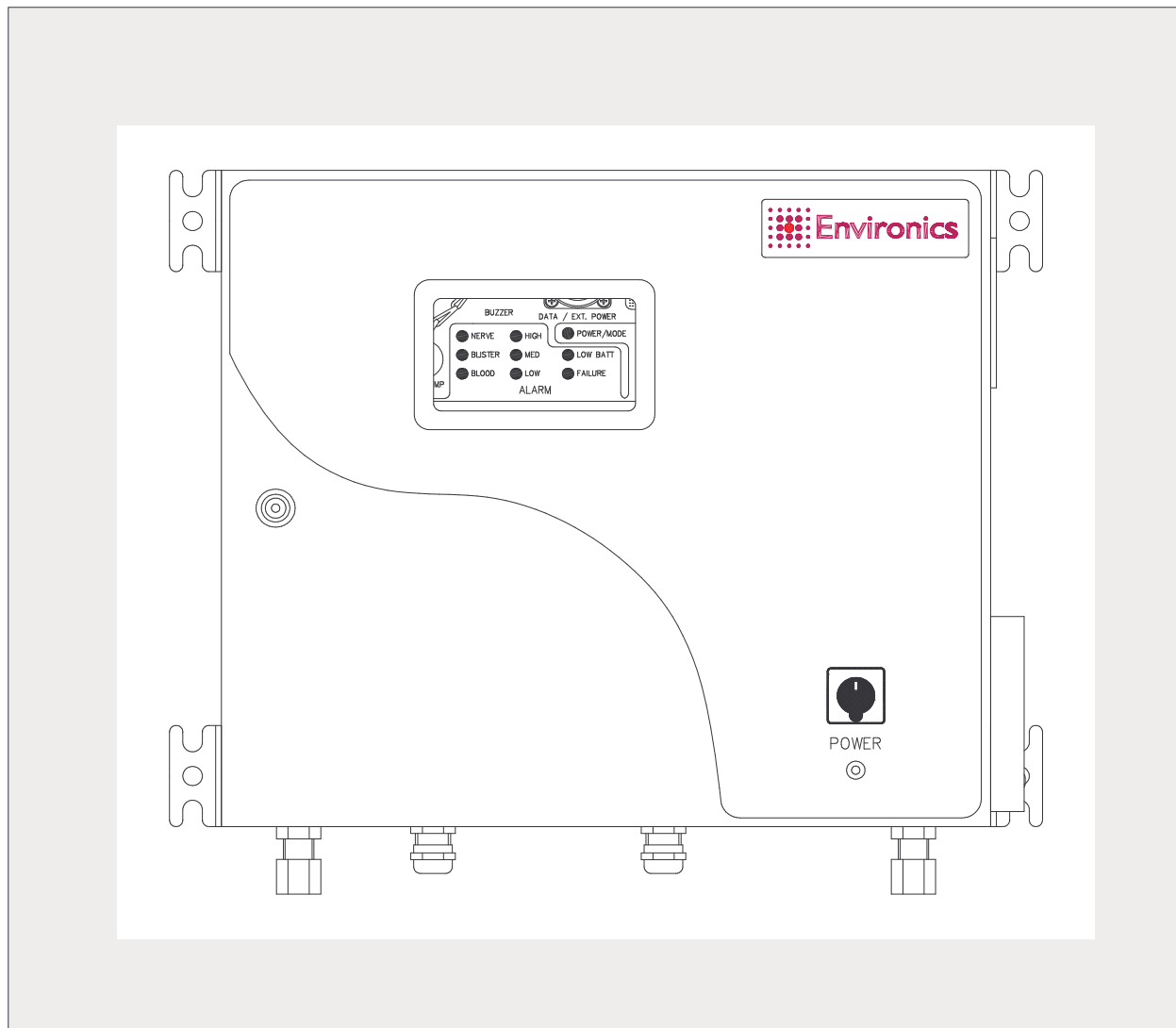


M90-AKU

The Mounting Cabinet for M90 Chemical Warfare Agent Detector



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M90-AKU Mounting Cabinet provides electrical and air sample connections for the M90 CWA Detector in a fixed installation. Being designed for different conditions and power supplies, the new M90-AKU Mounting Cabinet replaces the older M90-AKxxxx cabinet versions.

The Mounting Cabinet is not only a mechanical support but also provides protection for the CWA Detector, while it forms an enclosure for electronics and devices required in fixed a installation. The M90-AKU can be installed vertically on the wall or suspended to the ceiling.

The M90-AKU Cabinet is delivered with battery back-up power supply. This ensures that in case of power loss, a backup power is provided to all of the system components (except optional heater and cooling unit). Of course, M90 CWA Detector is still communicating with the Control Light Unit (CLU) or with other system components.

Mounting Cabinet can be offered with several options, depending on the system configuration and the needs of the user. However, the basic type of cabinet, **M90-AKU-B** consists of:

- **Sample air pre-filter** to prevent dust going into the system
- **Universal power supply unit** (90...264 VAC)
- **Back-up power unit** (3 hours)
- **Air inlet tube** made of PTFE, it has a 9,5 mm (3/8 in) outer diameter and 6,5 mm (1/4 in) internal diameter, and the maximum recommended length is 3 metres (9 ft), which is included
- **Air outlet tube** made of polyurethane, it has 8 mm (0.32 in) outer diameter and 5,5 mm (0.21 in) internal diameter, and the maximum recommended length is 3 metres (9 ft), which is included
- Thermostat operated **fan** is used for the ventilation of the Cabinet in warm conditions
- **Main switch** to turn ON or OFF the power of the cabinet, including Battery
- **External pump** to prevent longer operational time for air sampling without maintenance and to make possible to use longer air sampling tubes (external pump is inside the cabinet but not inside the CWA Detector)

DC powered model **M90-AKU-DC** consists of:

- **24VDC power supply** (without back-up power)
- Otherwise as model M90-AKU-B

Relay output model **M90-AKU-BR** or **M90-AKU-DCR** consists of:

- **Relay Board** to enable relay contacts from Detector's CWA gas- and failure alarms
- Otherwise as model M90-AKU-B or M90-AKU-DC

EMC shielded model **M90-AKU-BE** consists of:

- **Special EMC shielding**
- Otherwise as model M90-AKU-B

Extra Options, only on request:

- **Heater/isolation** to keep the cabinet warm in cold conditions.
- **Shock absorbtion rack** for fixing cabinet to the wall (5G)
- **Fibre optic communication** (single/multimodes available)
- **Cooling unit** is used for the ventilation of the cabinet in hot conditions
- **Special painting or coating**

SPECIFICATIONS

DIMENSIONS:	Length 315 mm (12.4 in) Width 400 mm (15.8 in) Height 350 mm (13.8 in)
WEIGHT:	~ 23 kg (~ 50 lbs), model M90-AKU-B ~ 20 kg (~ 45 lbs), model M90-AKU-DC + 5,3 kg (12 lbs) with shock absorbers
INPUT VOLTAGE:	90...264 VAC, M90-AKU-B models 24 VDC, M90-AKU-DC models
TEMPERATURE RANGE:	0°C to 55°C (32°F to 131°F)
HUMIDITY:	Up to 95% R.H.
COVERING MATERIAL:	Stainless or Acid Proof Steel
IP CLASS:	IP41, without fan cooling system IP 54

Note: The M90-AKU will be delivered with M90 detector as a standard. Other accessories are not included to the basic cabinet delivery. However, for the maintenance and service, there are components that are needed, such as:

- M90-STK Sensor Tester Kit
- M90-IF/C Internal Filter
- M90-FT/C Internal Filter Tool
- M90-MF External Filter

These items must be ordered separately. Manufacturer will recommend suitable package for these items depending on system configuration.

For additional information, please, contact us or our local representative.

The manufacturer holds the right to change the technical specifications.