



AH-100C

Membrane dryer, automatic dewatering & drying
Multiple communication interfaces,
supporting a variety of protocols
Four sets of dry contacts for easy operation

Technical Specifications

Working pressure	1 kPa ~ 100 kPa (fully adjustable), resolution 1 kPa
Output flow-rate	6 L/min $\pm$ 0.5 L
Power supply	AC 220 V $\pm$ 20 % / 50 Hz ~ 60 Hz
Operating power	$\leq$ 220 W
Operating temperature	-40 °C ~ +60 °C
Storage temperature	-55 °C ~ +60 °C
Steady damp-heat	$\leq$ 93 $\pm$ 3 % RH (+40 $\pm$ 2 °C)
Outlet dew-point	better than -30 °C
Drying method	membrane dryer (service life $\geq$ 10 years), automatic dewatering & drying
Compressor	service life $\geq$ 10 years
Operating noise	$\leq$ 55 dB @ 1 m
Overall air-tightness	pressure drop $\leq$ 5 % in 24 h
Communication	• RJ45 Ethernet (protocols: TCP Server / TCP Client, UDP Unicast / UDP Multicast) • RS485 serial (protocol: Modbus)
Host computer software	supplied, "AH-100 Management & Control System V1.0"
Dry contacts (4 sets)	3 $\times$ alarm outputs (over-pressure, under-pressure, high humidity), 1 $\times$ remote start/stop
Alarm functions	over-pressure, under-pressure, high-humidity, time-out (leak)
Over-pressure alarm	triggered when system pressure exceeds upper limit by 3 kPa
Under-pressure alarm	triggered when system pressure falls below lower limit by 3 kPa
Time-out (leak) alarm	triggered when continuous inflation time exceeds the set inflation period
High-humidity alarm	triggered when outlet-gas humidity exceeds the humidity threshold

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Alarm dew-point (default)	-10 °C (adjustable)
Timer function	Controlled by host software: total run-time counter (can be reset at any time), single-cycle timer (auto-reset)
Cycle counter	Controlled by host software: cumulative cycle counter (cleared on restart)
Gas-supply outlets	4 ports (thread M12 × 1)
Mounting method	19-inch 3 U rack
Product dimensions	482.5 × 133 × 380 mm (W × H × D) ± 1 mm
Net weight	14 kg ± 0.5 kg
Packing material	Five-layer corrugated carton
Package dimensions	520 × 510 × 245 mm ± 5 mm
Gross weight	15 kg ± 1 kg
Gas-nozzle spec (standard accessory)	KCC8-01, incl. M12 × 1 adapter, 4 pcs / unit
Air-hose spec (standard accessory)	Ø5 × 8 mm PU hose, 10 m / unit
Captive screws (standard accessory)	M6 × 20 (GB839), 4 pcs / unit
Fuse (standard accessory)	5 × 20 mm, 6 A, 1 pc / unit
Power cord (standard accessory)	3 × 2.5 mm ² , 2 m, plug SF1610/S3II (default), 1 pc / unit
	3 × 2.5 mm ² , 2 m, plug XCE22F3K1P1 (custom), 1 pc / unit
Dry contact terminal (standard accessory)	KF2EDG-8P, 1 pc / unit
Supplied CD (standard accessory)	"AH-100 Management & Control System V1.0", 1 disc / unit
Supplied documents	Operation manual, conformity certificate, test report (optional)

Notes:

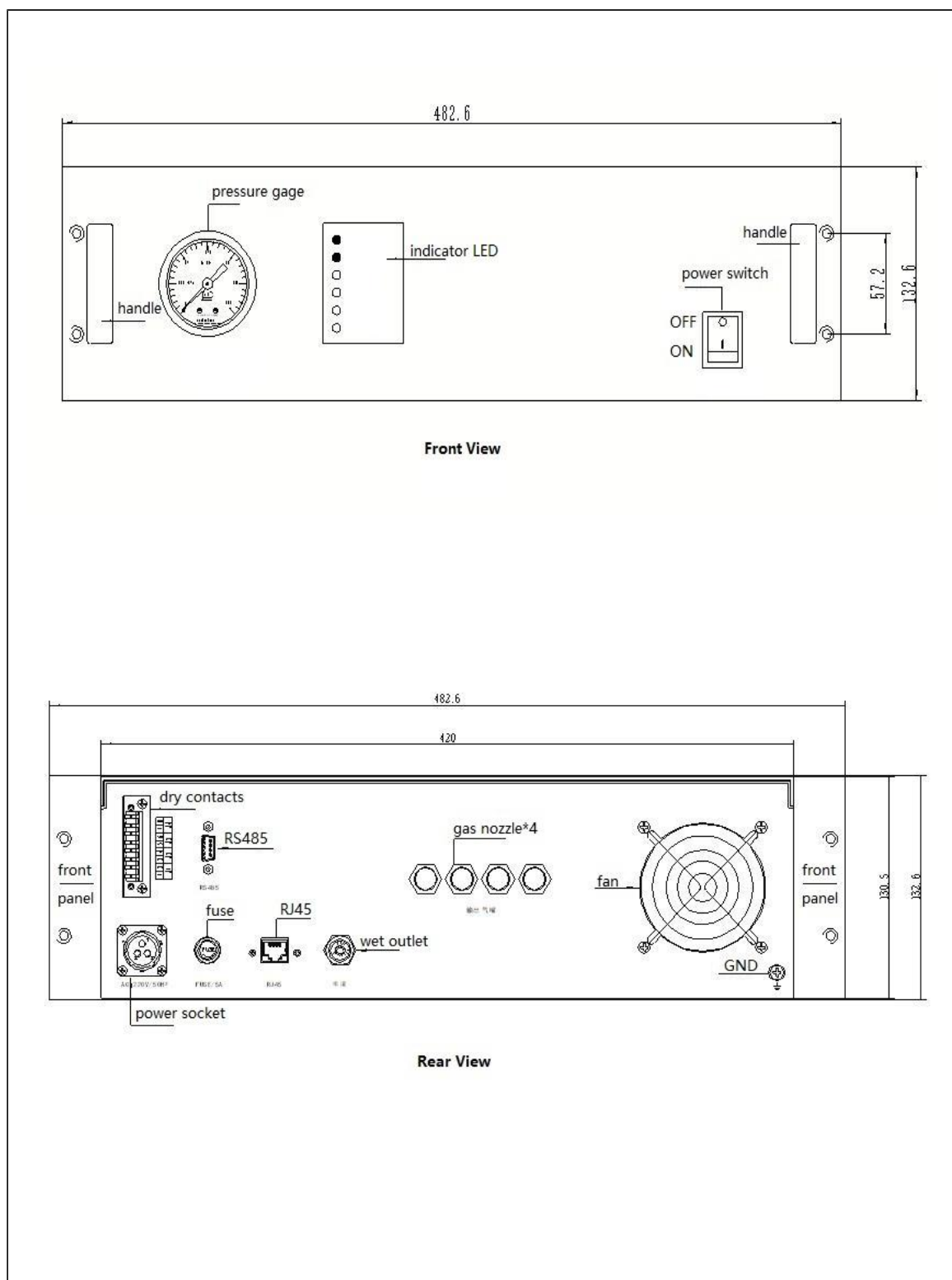
1. Actual parameters can be adjusted according to customer requirements (e.g. pressure range, interface type).
2. If required by the customer, relevant NDA clauses, certification documents and test reports can be appended.

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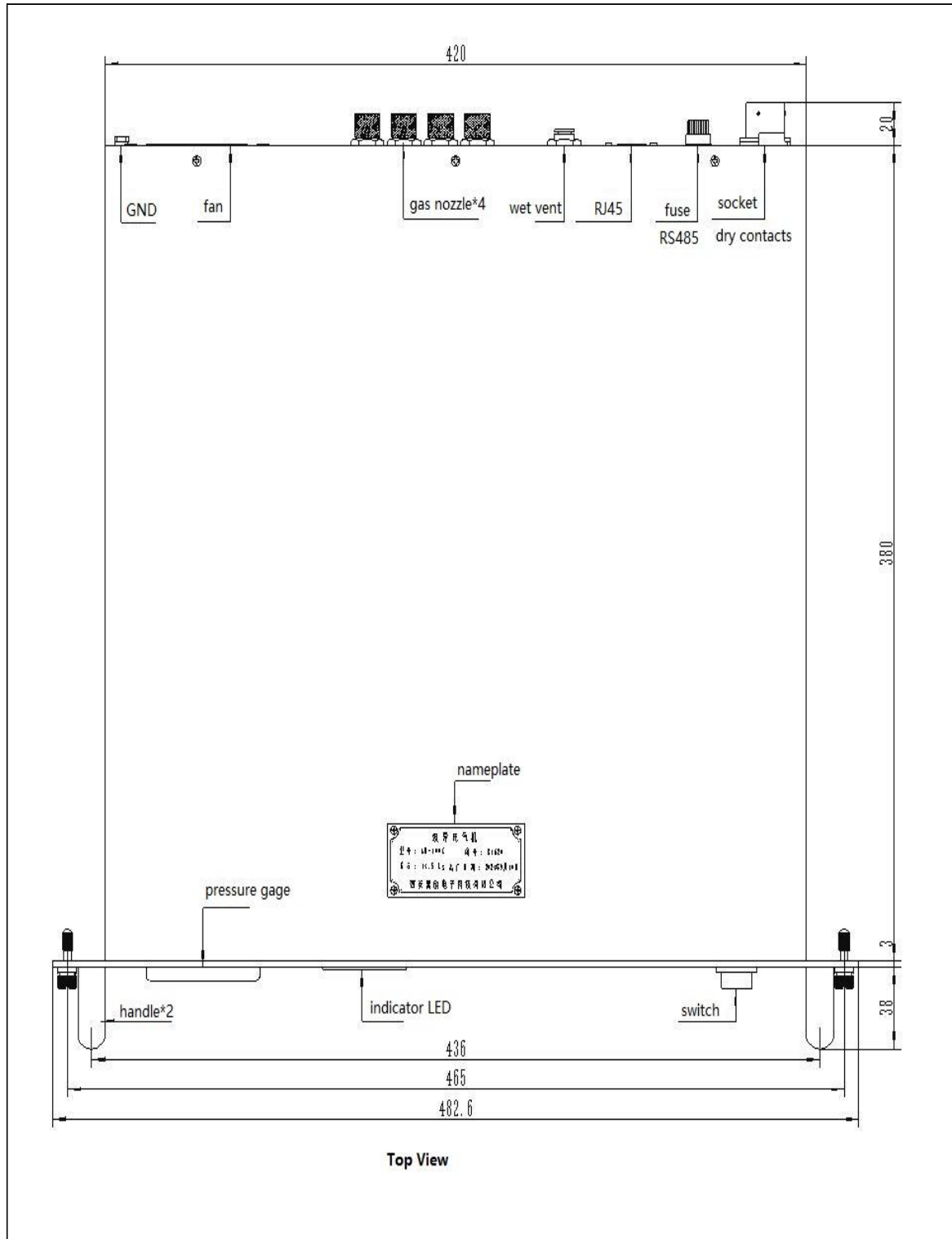
Product Outline Drawings



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