SAEU3H Chassis Panel Introduction

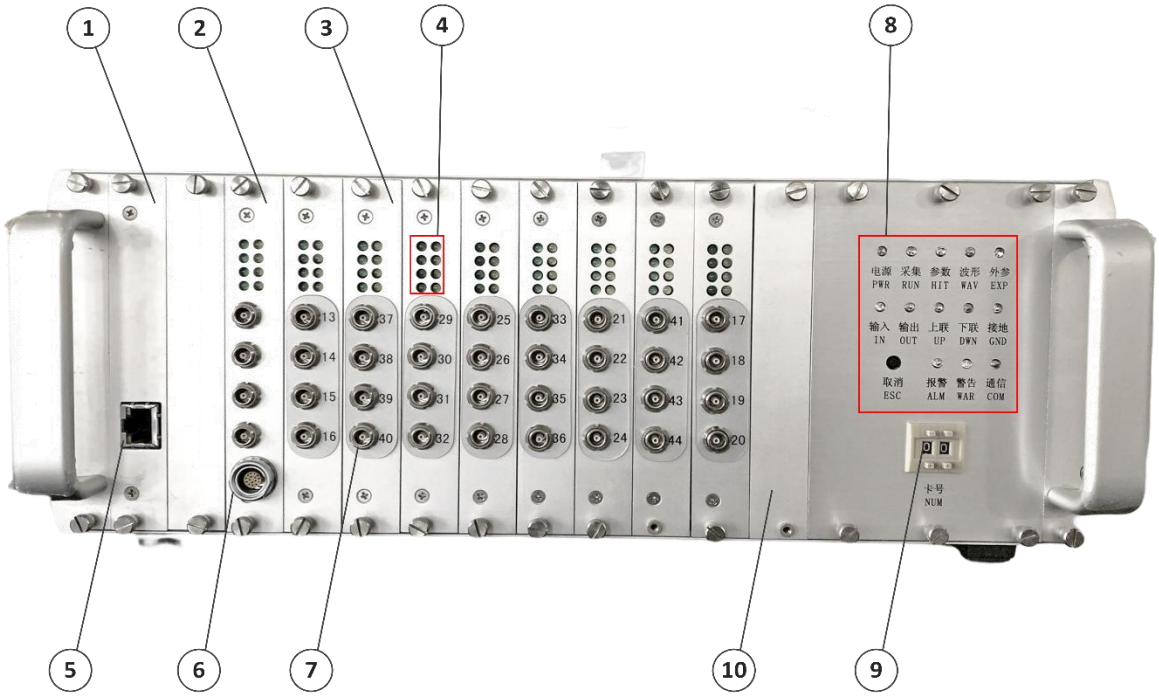

Fig.1 48-channel Chassis Front Panel

① **Network communication board：** optional and detachable. For data communication between the unit and analysis software.

② **EX-parameter 4-channel AE board：** optional and detachable. For AE parameter and external parameters collection.

③ **Standard 4-channel AE board：** detachable. For AE parameters collection.

④ **Channel indicator:** There are 8 indicators on each AE board, and 2 indicators for each channel from top to bottom; The green light on the left is the signal threshold indicator, which will shine when the threshold is triggered by the acoustic emission signal; The yellow light on the right side is preamplifier status indicator. After the AE board is correctly identified, the preamplifier status indicator will light up.

⑤ **Female RJ45 connector**

⑥ **16-pin LEMO connector**

⑦ **C5 LEMO connector:** connect with AE sensor.

⑧ **Chassis status indicators**

⑨ **Number：** Indicates the number of AE boards ahead of this chassis when the chassis is cascaded.

⑩ **Cover board:** detachable. Extra AE board could be inserted when the channel is not enough.

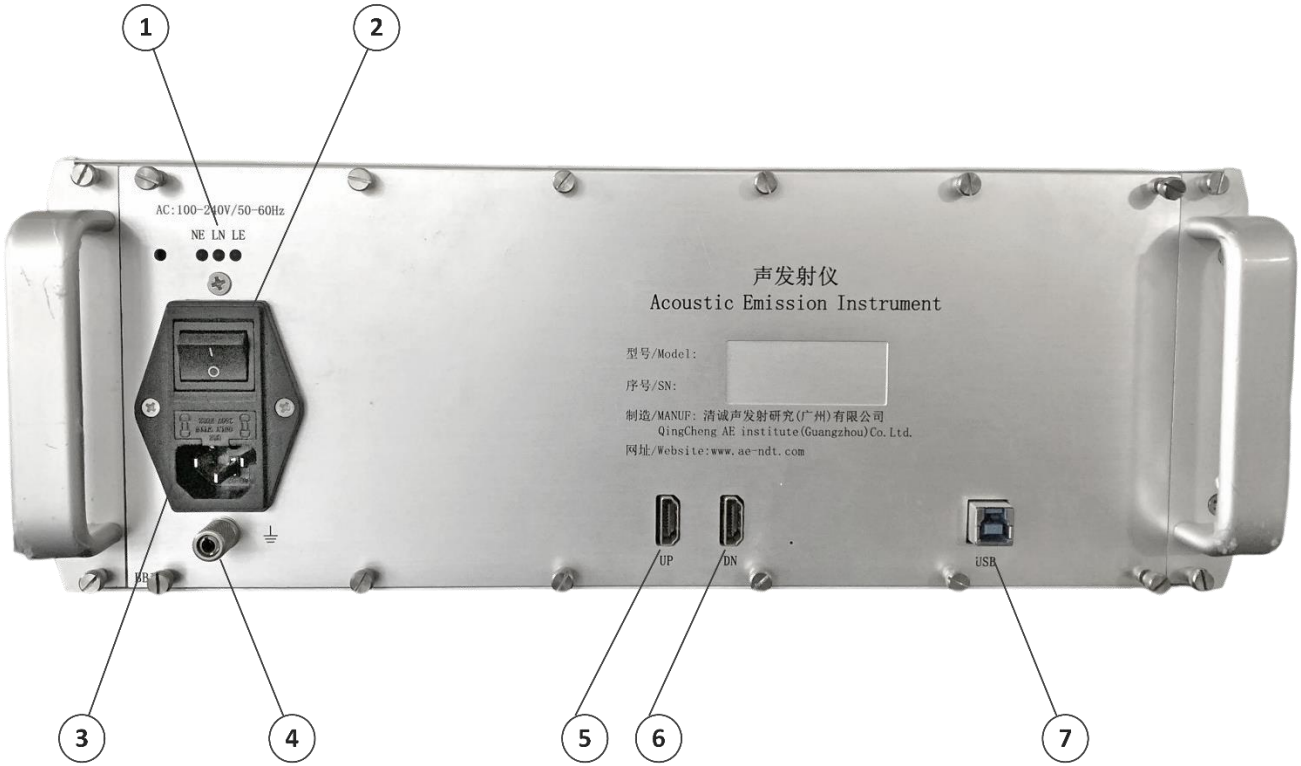

Fig.2 48-channel Chassis Back Panel

① **Power status indicator**

② **Switch**

③ **Power supply connector:** AC 100-240V/50-60Hz.

④ **Ground connector**

⑤ **UP HDMI connector:** For connecting with previous chassis when the chassis is cascaded.

⑥ **DN HDMI connector:** For connecting with latter chassis when the chassis is cascaded.

⑦ **USB connector:** For data communication between the unit and analysis software.

Fig.3 4-channel Chassis Panel

① **Signal threshold indicator:** which will shine when the threshold is triggered by the acoustic emission signal

② **Preamplifier status indicator**: After preamplifier is correctly identified, indicator will light up.

③ **C5 LEMO connector:** connect with AE sensor.

④ **Power switch.**

⑤ **Signal sampling indicator:** when sampling signals, this indicator light up.

⑥ **Power indicator.**

⑦ **USB connector:** For data communication between the unit and analysis software.

⑧ **Power supply connector:** 12V DC.