

**ABSTRACT**

The invention relates to a device (1) for controlling the tightness of at least one transport enclosure (2) for the conveyance and atmospheric storage of semiconductor substrates (3), said transport enclosure (2) comprising a rigid casing (4) having an opening (4), a removable door (6) enabling the opening (5) to be closed, and at least two ventilation ports (8, 9). The control device (1) comprises at least one interface (20) configured to be coupled to the transport enclosure (2), the interface (20) comprising:

- at least two connecting heads (23, 24), at least one connecting head being formed by a measurement head (23) configured to engage in a ventilation port (8) of the transport enclosure (2), the measurement head (23) comprising:
  - a projecting end piece (29), opening through at least one aperture (30), and
  - a peripheral sealing element (31) surrounding the end piece (29), the peripheral sealing element (31) being arranged upstream of the at least one aperture (30),
- all the ventilation ports (8, 9) of the transport enclosure (2) being coupled to a connecting head (23, 24) of the interface (20).

The present invention also relates to a method for controlling the tightness of at least one transport enclosure.

Figure for the abstract: 1