



## Function:

The portable unit determines the gas dewpoint temperature.

Measuring range:  $-80\text{ }^{\circ}\text{Tp} \dots 0 \dots +20\text{ }^{\circ}\text{Tp}$

The gas sampling must be made through a gas sampling fitting, which has a ceramic tube inside. This ceramic tube reaches from the hot area inside the furnace up to the wall of the furnace.

Through a steel tube with min. 150 mm length outside the furnace the gas is cooled down fast and leaded - with a gas dewpoint temperature below the ambient temperature - through a tight gas tube directly to the gas input of the unit.

## Dewpoint measuring instrument Dewchecker 0.2

### Technical Data:

#### Construction:

Transportable Instrument (Bench-mounting)

#### Dimensions:

437 x 155 x 395 mm (w x h x d)

#### Weight:

10 kg

#### Protection type:

IP 20 to IEC 529

#### Auxiliary supply:

230 V +/- 10 % / 50-60 Hz about device connector

#### Heat up time:

approx. 10 min.

#### Climate:

Storage:  $0 \dots 50\text{ }^{\circ}\text{C}$

Operation:  $10 \dots 50\text{ }^{\circ}\text{C}$

#### Output:

$0 \dots 20\text{ mA}$

#### Measuring range sensor:

$-80\text{ to }+20\text{ }^{\circ}\text{DP}$

Tolerance: •  $\pm 2.0\text{ }^{\circ}\text{DP}$

- measurement range of the mirror adjusting on  $\pm 0.5\text{ }^{\circ}\text{DP}$

#### Application:

Dewpoint measurement of gases