

# PRESSURE DEW POINT MEASUREMENT

**-20 °C OR -40 °C**  
**AIRSECURE**  
**TPK**



**AIRSECURE TPK 20**



**AIRSECURE TPK 40**

## AIRSECURE · dewguardPRO

if compressed air is not dried before feeding into the pipeline network or the installed dryer is malfunctioning,

then it results into substantial amount of condensate formation. this leads to problems in valves, pneumatic components and eventually results in loss of production. hence, pressure dew point is one of the key parameters for the quality of compressed air and should be measured in every plant.

the PRO air AIRSECURE and dewguardPRO product series offer the ideal devices to monitor the compressed air quality, to give an alarm in time and to stop the flow by itself when needed, through an optional ball valve.

in order to get reliable readings every time, the sensor is „HEATED“ for every 13 hours in succession. hence any precipitation of humidity on the sensor, which can distort the results, is avoided. besides stationary instruments, there are also suitable transmitters in the series for signal transfer to higher level controls, portable devices for a flexible on-site application as well as an extensive range of accessories. all PRO air products are ready to assemble items, including all necessary leads supplied, and can be immediately fitted and put to use.

## AIRSECURE TPK

### AIRSECURE TPK 20

measuring range: -20 ... +40 °C dtp

precise, long term stable, dew point measurement for cold dryer, membrane dryer, adsorption dryer

long calibration interval of two years and dew formation safe

on-site display of dew point in the plant, swappable between °C and °F

integrated sensor for monitoring the network pressure

two adjustable alarm values

two potential free relay contacts, analogue output

integrated measuring probe (high grade stainless steel-polymer sensor) with standard measuring chamber

regular „heating“ of the sensors prevents precipitation on the measuring surface

stainless steel-sinter filter as sensor protection

integrated diverting throttle

simple mounting, plug-in over usual compressed air couplings, completely ready-to-assemble

### AIRSECURE TPK 40

measuring range: -40 ... +40 °C dtp

