

# REF 3000



Reference exhaust

## OPERATION PRINCIPLE

The REF 3000 is an additional modul for the adaption of the soot generator DNP digital 3000 on a CVS tunnel with the PMP Particulate Matter Programm exhaust measurement of combustion engines.

## BENEFITS

- Easy handling
- Reproducible results
- Integration into DNP digital 3000 Firmware

## DATASHEET

Maximum particle number concentration	Ca. $10^7$ particles/cm <sup>3</sup>
Power supply	115 – 230 V, 50/60 Hz
Dosing time	Several hours nonstop
Pre-pressure	4 – 8 bar
Compressed air connection	Quick coupling
Aerosol outlet connection	$\varnothing_{\text{inside}} = 38$ mm,  $\varnothing_{\text{outside}} = 42$ mm
Dilution gas	Particle-free and dry compressed air

## APPLICATIONS

- Connection of soot generator DNP digital 3000 on CVS tunnel
- For the calibration of the PMP measurement chain in Particulate Measurement Program in combination with DNP digital 3000



Mehr Informationen:  
<https://www.palas.de/en/product/ref3000>