

# Application Guide 01 for Rifle Sighting Instrument



## NEPS1000 *Advantage*



### Features

- Small purge port (M3 mounting)
- Small purge volume 50 cm<sup>3</sup>
- Purged to < -30°C Dewpoint or better
- Worldwide operation in hot & cold climate regions
- Cyclic purge
- Hygroscopic moisture removal
- Multiple purge option 10 instruments simultaneously
- No desiccation for operational life
- Through purge option

### Background

*Although these sighting instruments have small internal volumes < 50cm<sup>3</sup> the sealing materials used for environmental protection along with the internal construction can contribute significant levels of internal moisture which can readily cause condensation to occur within the instrument. Significant amounts of condensation can occur when sighting instrument are subjected to variations in ambient temperature. The internal size of this class of instruments and the need for a continuous optical path prevents the use of a conventional desiccators or moisture absorber. NEPS1000 can also be used for routine leak testing to maximise purging performance.*

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