## NEOPTIX T1 PROBE

## Fiber optic temperature probe



## Field proven high accuracy probe for general purpose temperature measurements

- Offers complete immunity to electromagnetic fields
- Offers complete intrinsic safety
- Does not require recalibration or complex input to operate
- Ideal for laboratories and diverse industrial applications
- Compatible extension cables are available, with lengths of up to 300 meters, or more
- Based on time proven GaAs technology, that offers no drift, no recalibration, ever
- Offers in customer specified lengths, with various tip configurations to address a wide variety
  of applications, ranging from medical, to production industrial applications

## Product Summary **Description** Neoptix fiber optic sensors are specifically designed for general use in laboratories, medical research, food industry and industrial applications. They feature immunity to microwave and radio frequencies, as well as strong magnetic fields, where conventional sensors such as Pt100, thermistors and thermocouples, cannot be used. Application The T1 probe has been used in a very wide range of R&D and industrial applications, ranging from bare probes that can be inserted in catheters to extra robust probes that can be used in conjunction with ultra-torr vacuum connections. The T1 technology is recommended for a wide range of Minimal Thermal Shunting demanding applications, where immunity to electromagnetic fields is mandatory. Minimum bending radius: 1cm Examples include Microwave, Immunity to electromagnetic field Radio Frequency, High Voltage... Aerospace, Military and Medical. Robust, Flexible, Chemically resistant Intrinsic safety in explosion environment Fibers by **∕√**neoptix





The Neoptix technology is based on a well-known and reproducible semiconductor phenomenon: the band-gap variation in the absorption spectrum of gallium arsenide (GaAs) with temperature. This technology offers no-drift probes with no calibration ever needed.



