



OAS-TH

OPTICAL ALARM SYSTEM - TEMPERATURE AND HUMIDITY



The OAS-TH is an optical alarm system for temperature and humidity detection, to be mounted in proximity of the toroid of the magnetic resonance imaging. Thanks to its external fiber optic connection and its battery supply, the OAS does not affect in any way the artifact of the MRI.

OAS-TH TECHNICAL SPECIFICATIONS

Sensing element - Humidity Resolution Accuracy tolerance Nonlinearity Long Term Drift	12 bit 0.04 %RH +/-2 %RH Typ <0.1 %RH <0.25 Typ %RH
Sensing element - Temperature Resolution Accuracy tolerance Long Term Drift	12 bit 0.04 °C +/-0.3 °C Typ <0.02 Typ °C/yr
Sampling interval of temperature and humidity	30 sec (typ.)
Connection	Unidirectional fiber optic with ASCII serial protocol
Reporting	Status – transmitted at temperature and humidity detection – includes battery voltage and is transmitted every 30 sec
Power supply	2 lithium batteries
Battery-life	Over 6 months (with 2x Lithium Energizer Ultimate LR06 3000 mAh 1.5)
Dimensions	70x70x20 mm

Subject to change without notice

