TILTR

The Diamond in Tilt Monitoring

Precision structural health monitoring

IoT Tilt sensor

- omnidirectional 3D-XYZ tilt measurement
- resolution < 0,001 º
- long battery life up to fifteen years
- compact ruggedized design
- easy install
- adjustable intervals
- event wake-up trigger feature

- data buffering up to several days
- synchronized sampling for multiple sensors
- on demand data
- real time 24/7 online
- easily scalable
- upload via API
- OEM label options

www.tiltr.nl

Specifications IoT Tilt sensor

General specifications

Measurement range	Full 360° range in all XYZ directions
Resolution	Tilt measurement better than 0.001 º
Material	UV resistant ABS / Stainless steel
Dimensions (LxWxH)	116 x 116 x 80 mm
Weight	925 grams
Environmental IP67	Weather Resistant
Operating conditions	-40 °C ... +65 °C

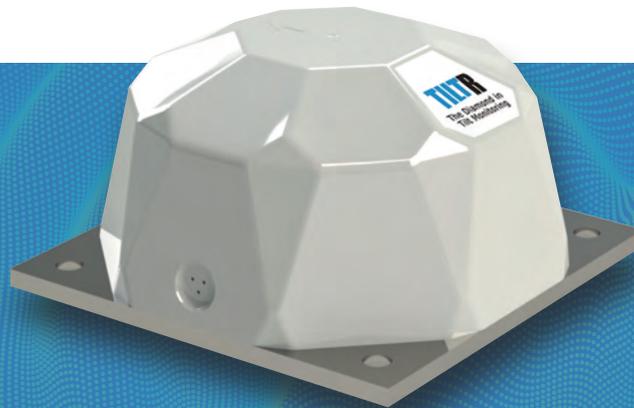### Cellular communications

Modem	2-way LTE-M communication 300 kbps 3GPP-LTE
Certification	Most regions, networks and LTE bands world wide
Frequency bands	B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28 and B66
Tx power	Up to 23 dBm
Rx sensitivity	-108 dBm
Antenna	SMD Ceramic 5G/4G/3G/2G/LTE compatible

Battery

Battery Type	D-cell 3.6V 13Ah
Number of cells	Max 2 cells
Chemistry	Lithium Thionyl Chloride
Battery lifetime	ca 15 years with 24 readings per day

Bluebox™ Cloud Platform

Software Interface	Bluebox™ cloud based API interface for integration with client-side web back-end or framework
Cellular connectivity	Services Europe, North America, Asia
Device management	Features OTA firmware update, setpoint management, data post-processing and scaling, overall device health services

Visiting address
Wasaweg 18-1
9723 JD Groningen
the Netherlands

Tel +31(0)50 549 75 15
E-mail info@tiltr.nl

www.tiltr.nl

A solution by
StabiAlert

TILTR