

# DATA SHEET SENSOR-TECHNIK-WIEDEMANN TC3G

## SENSORS AND INTERFACES

Accelerometer	Yes, measurement range +/- 2 g or +/- 8 g (configurable) in 3 axes (X, Y, Z) measurement rate up to 400 Hz
GNSS (GPS)	Yes
Real time Clock	Yes
Temperature Sensor	Yes
LAN/Ethernet	Yes, IEEE 802.3, 10/100 MBit
USB	Yes, USB1.1 host port (low/full speed)
RS 232	Yes, programmable baud rate up to 460800
Digital In	1
Digital Out	1
CAN	Yes, 2x CAN 2.0B interfaces (11 & 29 Bit CAN ID)
Other Interfaces/sensors/comments	TriColor LED, 128 MB RAM, 64 MB NOR-Flash, 1 GB NAND Flash Memory, 64 kBit EEPROM, Hold-on SW Shutdown, System supervisor with watchdog, 32 bit Microcontroller

## CONNECTIVITY

GSM	
2G	Yes
3G	Yes
Fixed Line Connectivity	Yes, via Ethernet Port
Bluetooth	Yes, Bluetooth 2.1 and Bluetooth 4.0
Other	WiFi

## PROTOCOL LAYER/Framework

Ethernet/IP	Yes
Modbus TCP	Yes
CAN Bus	Yes

## PHYSICAL DEVICE CHARACTERISTICS

Maximum Device Size	134 mm x 117 mm x 36 mm
Maximum IP Class	IP67/69k
Operating Temperature	-30 °C/+60 °C
Storage Temperature	-40 °C/+80 °C
Other physical characteristics	Weight 0,3 kg

## ELECTRICAL CHARACTERISTICS

Power Supply	9 - 33 V DC
Other (e. g. withstand 2 kV Peak, etc.)	RTC Buffer via capacitor



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## CERTIFICATION

CE and WEEE	Yes
FCC	Yes
ECE	Yes
Other certificates	DIN EN 62311; PTCRB Certified; DIN EN 60204-1; ISO 16750-2; CISPR25; DIN EN 55025; ISO 11452-5/-2; ISO 7637-2; ISO 7637-3; ISO 10605; DIN EN 61000-6-2; DIN EN 61000-6-3; ETSI EN 301489 - 1; ETSI EN 301489-7; ETSI EN 301489-17; ISO 16750-3; DIN EN 60068-2-6; DIN EN 60068-2-27; ISO 16750-4; IEC 60529; ISO 16750-5

## CLOUD OF THINGS USE CASE

Self-registration	Yes
Measurement values	Yes
Events will be sent to client	Yes
Alarms will be sent to client	Yes
Tracking data will be sent to backend	Yes
Remote Control	Yes
Firmware over the Air Updates	Yes



## CONTACT

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