Data Sheet: WISTAR.534.R1.EN

www.ntt.dk

WiStar

Hand held professional wireless receiver

WiSTAR is a professional ergonomic receiver to measure FORCE, WEIGHT, PRESSURE, TORQUE and DISPLACEMENT, extremely versatile and easy to be used.

Through an integrated wireless communication system it is possible to directly interface with 1, 2, 3 or 4 **WIMOD** modules at the same time in the real time. The transmission frequency at 433 MHz makes the communication safe and reliable even in presence of other transmission systems such as mobile phones, walkie-talkie, radio-microphones, remote-controls etc. which usually work on other frequencies by ensuring a covering of approx. 100 meters in free space.

Measurements are showed on a big graph back-lighted display.

WiSTAR is equipped with **USB** interface for communicating in real time with a PC for recharging the long lasting and highly reliable internal battery (Li-Ion). In addition to the direct reading of the measurements it is possible to detect **PEAKS** and to block the measurement on the display thanks to **HOLD** function.

Through the internal **DATA LOGGER** it is possible to record up to 130.000 measurements either at programmed intervals of time or manually through the **REC key**.

To every recording performed it is assigned the date and the time, the nit is possible to show the recordings on the display or download them on a PC through the USB port.

It has been integrated also the **TOTAL** function which allows to display the sum of measurements detected from several sensors in real time.

CE RoHS

Alta Affidabilità
High Reliability

Stabilità a lungo termine
Long term high stability

USB 2.0

This function is highly appreciated when the application requires to weigh a big dimensions manufactured article by using several dynamometers at the same time.

Typical Applications:

Mobile weighing.
Overhung loads monitoring
Monitoring of pressures on hydraulic and pneumatic plants.
Long term recording through programmable DATALOGGER.
Manual recording in the internal memory.
Quality control in the production lines and warehouses.
Test on the handling of manual and automatic loads
Monitoring of cracks through displacement transducers in the building industry

Available combinations:

It is possible to simultaneously connect to the **WiSTAR** (through a Wireless connection) n° 1, 2, 3 or 4 **WIMOD** modules directly connected to the load cells or in the stand alone mode.

Overhung loads monitoring by using T20, D200 etc. .. dynamometers or load cells

Displacements Monitoring by using LDT transducers.

Monitoring of pressures by using con TP1 and TP16 pressure transducers.

Monitoring of different sensors for example:
LDT for displacement measurements
TP1 for pressure measurements
TRX for torque measurements.
C2S for force or weight measurements.

Main characteristics:

HIGH RESOLUTION (128x64 dots) LCD graphic **DISPLAY** with 3 levels of backlighting to adapt itself to any conditions of external brightness and with the possibility of rotating the visualization of 180°.
Programmable **MEASUREMENT UNITS**: FORCE and WEIGHT: kg - g - t - N - daN - kN - MN – lb - klb PRESSURE: bar-mbar-psi-MPa-kPa-Pa-mH2O-inH2O-kg/cm2-mmHg-cmHg-inHg-atm TORQUE: Nm – Nmm – kgm – kNm - in.lbf - ft.lbf – gcm - kgmm LENGTH: mm – inch
DATALOGGER allows to memorize measurements and to keep them in the internal memory even in case of instrument switching off. Recording can be performed either in **AUTOMATIC mode** by programming an interval of time (from 1 sec up to 24 hours) or in **MANUAL** mode through the REC button. (max. 130.000 recordings) The data can be then showed on the display or downloaded through the powerful software Quick Analyzer for creating graphs, exports in Excel , printing of reports etc.
Programmable **RESOLUTION**
Digital **FILTER** and programmable **CONVERSIONS per SECOND** (from 1 up to 10)
ZERO function that allows to instantly set to zero the measurement. **HOLD** function that allows to temporarily “freeze” the measurement to be able to analyze it.
PEAK function (positive e negative).
Li-Ion internal battery which ensures a 24 hours **AUTONOMY** when backlighting is activated. In DATALOGGER mode by setting a recording every 5 min. it is possible to perform recordings for approx. 100 hours without recharging the instrument. **AUTO POWER OFF** programmable function from 1 up to 99 minutes
Service temperature from 0 to +50°C
CLOCK function (hours, minutes) and internal **CALENDAR** (day, month).
Serial communication through **USB** port **WIRELESS c**omunication
Protection grade (EN 60529) **IP40** , case made of painted **ALUMINUM**, **WEIGHT** ~ 0.7kg

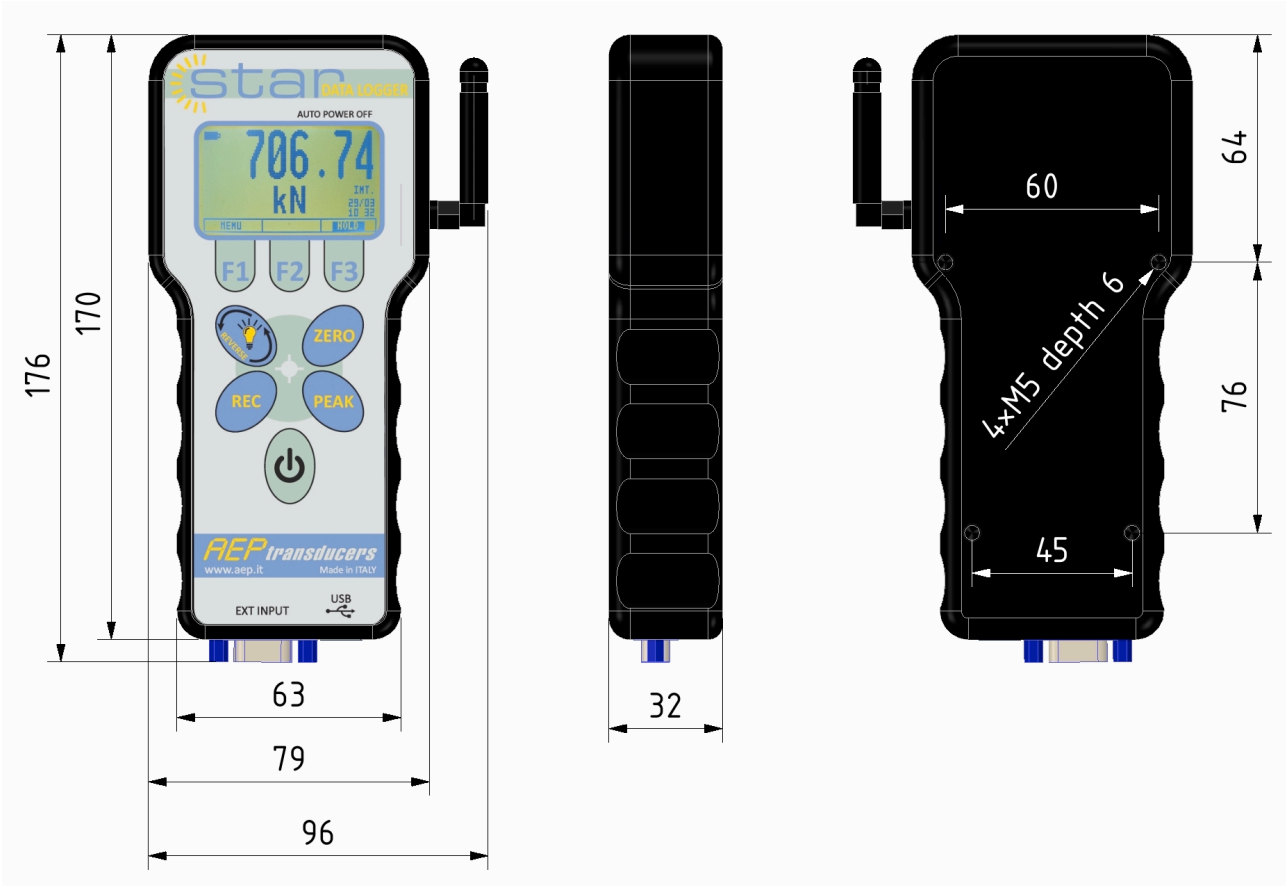
Purchase code: **WISTAR**

Included accessories:

Travelling case made of ABS

Feeder with USB cable

Dimensions (mm):



Nordic Transducer

Als Odde DK9560 Hadsund /A Tel:+45-98581444 Fax:+45 98581866 Web: www.ntt.dk E-mail: ntt@ntt.dk

In order to improve the technical performances of the product, the company reserves the right to make any change without notice.