



- Complete and standalone portable solution
- Fast and accurate failure detection
- Identification of simple & complex failures
- Location of permanent and intermittent faults
- Reduce time for breakdown search
- Faster diagnostic test phases
- Help to prevent wiring damage
- Suited for repair and maintenance operations
- Minimize man-hours maintenance

### MAIN FEATURES

- Advanced reflectometry technology (I-WiDD function)
- L, C, R characterization combined with high quality switching matrix (C-WiDD function)
- 64 or 128 channels
- Analysis of any cable type: single wire, coaxial, twinaxial, twisted pair, shielded ...
- Operates on few wires to hundreds of wires harnesses (Daisy chaining from 64 wires)
- Harness reference base for automatic loading of test procedure
- Automatic archiving of measures
- Comparative measurement: adjacent cable pattern or stored reference measures
- Numerous options and services: Battery, Laptop/Tablet for local or remote control, secured Wi-Fi, post processing software, calibration, training, maintenance...
- Application fields: Aeronautics, Transportation, Space, Energy...

### NEXEYA Patented Technology



**WiDD200** is a complete and efficient solution for the detection and location of permanent and furtive cabling failures. It operates on few wires to hundreds of wires harnesses and on any cable type: single wire, coaxial, twinaxial, twisted pair, shielded...

**WiDD200** locates simple to more complex wiring defaults with high accuracy and speed: defect location, insulation problem, bad clamping, inappropriate bend radius, non-declared repair operation...

**WiDD200** performance results from the combination of two powerful analysis functions:

- C-WiDD function: L, C, R characterization combined with high quality switching matrix,
- I-WiDD function: advanced reflectometry technology.

**WiDD200** can detect a default with an accuracy of less than a meter within:

- 2 msec. for a 100 meters harness with 1024 points,
- 1 msec. for a 100 meters harness with 512 points,
- 250 to 500 µsec for lower channel count (location of the failure is performed within a fixed time).

**WiDD200** is the perfect tool for wiring maintenance. The comparison of measured parameters with reference values or adjacent cables enables to detect and locate immediately any deviation. Detecting latent errors helps preventing wiring breakdowns and thus offers a proactive maintenance approach. **WiDD200** allows to simultaneously minimize costs and maintenance time as well as increasing safety.

## SPECIFICATIONS

### GENERAL

R, L, C characterization	64 or 128 channels  Output electrical characteristics: Output voltage: 100 mVrms → 5 Vrms Frequency: DC (2V) → 10 KHz Current: 100 µA → 50 mA
Reflectometry	64 or 128 Channels  Output electrical characteristics: No load: +/- 4V max Load: 50 Ohms → +/- 1.95V max. Frequency: DC → 160 MHz Current: 80 mA max. Pulse width: 164 µs max. (65536 samples / 400 MHz)
Display & control	Local or remote PC/Tablet (Optional Wi-Fi), full HD screen required (1920x1080)
Dimensions	256 (L) x 448 (W) x 180 (D) mm
Weight	9 kg / 19,84 Lbs
Power supply voltage	24 Vdc
Main power supply	90~264 Vac / 47~63 Hz
Power consumption	75W max.
Battery (integrated)	Nickel Metal Hydride (NiMH) technology, 2-3 hours of autonomy
Connectors	I-WiDD: SOURIAU / 8LT3C19F35SN with corresponding plug SOURIAU / 8LT5-19F35P C-WiDD: SOURIAU / 8LT3C19F35SN with corresponding plug SOURIAU / 8LT5-19F35P Ground: MULTICONTACT / 14.0034-22 corresp. plug MULTICONTACT / KBT6AR-N/25-S-L
Operating temperature	-10°C +45°C / 14°F +113°F
Storage temperature	-20°C +60°C / -4°F +140°F
Humidity	< 75% relative humidity (non condensing)
Standards compliance	Low Voltage: NF EN 61010-1, NF EN 62311, NF EN 50371. EMC: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-5, CISPR 16-2-3. ROHS: NF EN 50581. REACH
Operating system	Multi-OS
Language	Multi-language (selection)

### ORDERING INFORMATION

WiDD200*/...	64 RLC channels + 64 Reflectometry channels (C-WiDD + I-WiDD functions)
WiDD200_FULL RLC*/...	128 RLC channels (C-WiDD function)
WiDD200_FULL REF*/...	128 Reflectometry channels (I-WiDD function)
* WIFI (optional)	Secure Wi-Fi function
* SOFT (optional)	Integrated post processing software
*LAPTOP or TABLET (optional)	Display devices

#### Upon request:

Options: Integrated display, grounding box, interconnecting harnesses, extended warranty  
Services: Calibration, training, maintenance.

### CONTACT

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