**Spectrum Analyzing & Interference Locating**

- Frequency Range: 9kHz to 6.0GHz
- DANL: -168dBm@1GHz
- Android Operating System: touch screen operation, multitouch, easy-to-use
- Compact size (197mm×93mm×61mm) and light weight (0.9kg, including the battery)
- 4 hours operating time
- Support interference signal hunting. Map service provided by "OpenStreetMap"
- Working as CW receiver for propagation model tuning. Support a maximum 40km/h drive test speed.

**SpecMini Handheld Spectrum Analyzer**

Indoor DAS Coverage Simulation & Acceptance Test

Base Station Set-up and Maintenance

GNSS Signal Quality Analysis

**Interference Locating with AOA algorithm**

With this option and directional antenna. SpecMini can be used as an ultra-compact interference signal locator.

APP in-built OpenStreet map ensure the map accuracy and update frequency or user all over the world.

User with no experience can easily locate target signal source step by step
Transmission System Set-up & Maintenance

- Support the output of GSM, TD-SCDMA, CDMA2000, WCDMA, LTE, NB-IoT and LoRa modulation signals and CW signals.
- Wide frequency range 700MHz to 6000MHz. Frequency adjustment step is 10kHz.
- Large power adjustment range: 0-43dBm, with the step of 0.5dB.
- Small size (200×110×230 mm) and light weight (4.5kg). With the external battery, the instrument can continuously work for 5 to 8 hours.

Network Maintenance & Optimization

- Customizable frequency range
- Support for testing CW, TD-LTE, FDD-LTE, NB-IoT and eMTC
- Channel bandwidth: 1.4/3/5/10/15/20MHz
- Measuring speed ≤ 500ms per frequency point
- Sensitivity: -130dBm (RSRP)
- Co-frequency cell detection capability: >15dB
T5000 Series Bench-top VNA

- Frequency Range: 300kHz to 8GHz (T5280A)
- 500kHz to 4GHz/6.5GHz (T5240A/T5260A)
- Dynamic Range: >117 dB (IFBW=10 Hz), 121 dB typical
- Low Noise Level: <-120 dB (IFBW=10 Hz)
- Low Trace Noise: 1 dB rms (IFBW=3 kHz)
- High Measurement Speed: 120 μs/point (IFBW=30 kHz)
- High Effective Directivity: >45 dB
- Remote Control: LAN
- Very Low Power Consumption: 60W
- “One-Key-Test” Solution

VNA has various kinds of applications. Sometimes VNA would be integrated into complex systems, Transcom Instruments provides TY800 Customizable VNA Module for system integration. TY800 could do S11 or S21 test, and could work at industrial operating temperature: -40°C to +70°C, and monitoring over 2000m distance with less than 5m errors. Benefits from its reliable performance, TY800 is the most popular VNA module in Leaky Feeder Monitoring Systems in China.

With slim design and powerful support, It’s ready for system integration.

Core Module for System Integration
Vector Signal Generator and Analyzer is very important in lab research and product test, researchers and manufacturers need to know how the devices would affect the signals, and whether the effect is acceptable or not.

**New shaped Compact Design VSG**

- Frequency range: 10MHz to 6GHz
- Power coverage: -100 to +10dBm
- Full range of common digital modulation: BPSK, QPSK, OQPSK, 8PSK, 16QAM, 32QAM, 64QAM, MSK, FSK, output linearity, log scan and multiple modulation mode
- Variety of common signal generating including GSM, WCDMA, TD-LTE, FDD-LTE, NB-IoT, and LoRa. Users can modify channels under different configuration
- Pulse modulation and sweep mode
- Support analog modulation and ARB function
- Fixable integration interface, customized data can be input into module to generate customized signal
- Simple control via USB port. API is provided for secondary development

**Multiple Functions VSA**

- Frequency range: 10MHz to 6000MHz
- Signal demodulation: Digital signal, FM, NB-IoT and LTE
- DANL: -166 dBm @1GHz (Sensitivity set to High, normalized to 1Hz)
- Resolution bandwidth: 10Hz to 5MHz
- Signal storage depth of 1Gbit for signal capture and analysis
- 10MHz reference in/out, USB interface for control
- Small size (180*50*290mm) and light weight (1.8kg).
- API library is provided for secondary development
Transcom Instrument Co., Ltd. founded in 2005 and headquartered in Shanghai, is a leading manufacturer and provider of RF and wireless communication testing instruments and overall solutions in China. Based on its independent brands and a wide range of core patented technologies, Transcom became national high-tech enterprise with independent intelligent property rights and has been listed into Shanghai Enterprise Recognition Award for High Growth SMEs in Technology.

Transcom is backed by a experienced and dedicated research team in mobile communication, radio frequency and microwave, and network optimization testing instrument. Through "Industry-University-Research" cooperation with universities, Transcom founded Southeast University-Transcom Electronic Measurement Technology Center at Southeast University to further ensure technology and talent reserve, and secure future visionary and sustainable technology development.

Transcom's product portfolios focus 4 areas: cellular network critical communication planning/maintenance/optimization, Manufacturing testing solution, educational instrument/equipment, spectrum monitoring sensor for system integration.

**Vision:** China's high-end wireless communications test equipment leader!

**Mission:** To provide a total solution of RF test and measurement products to the mobile communication industry

**Core Values:** Innovation, Respect for People, and Total Customer Satisfaction

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