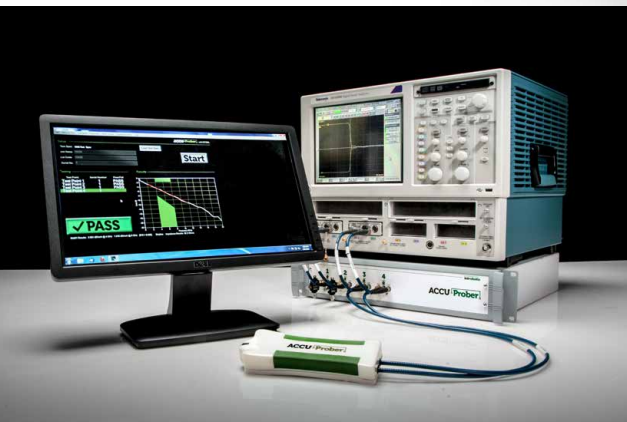


Meet the revolution
in high frequency
attenuation testing.

ACCU Prober

The Single-source Testing Solution for
Impedance, SPP, SET2DIL, TVNA® and Delta-L





The ACCU-Prober is designed for the manufacturing environment, with an easy to read software interface and foot pedal control. The ACCU-Prober Test System consists of a TDR oscilloscope, Static Isolation Unit, hand held probe, and system software.

Meeting Today's Standards

SPP

Introbotix developed the production test version of SPP (Short Pulse Propagation) standard. The ACCU-Prober is a fully licensed SPP testing solution.

Delta-L

Delta-L is an emerging test methodology that measures the ratio of S-Parameters of two trace lengths.

SET2DIL

The popular method of testing attenuation is fully supported by the ACCU-Prober with SET2DIL (Sdd21 Differential Insertion Loss)

SET2SEIL

SET2SEIL (Single-Ended Insertion Loss) is available as an add-on to SET2DIL configurations.

TVNA

This Introbotix developed TDR testing method is fast, probe independent, and correlates to VNA (vector network analyzer) insertion and return loss results.

ACCU-Prober™ — The Open Platform High-Frequency Testing Solution Measuring Up to 50 GHz.

TDR Based High Frequency Testing

ACCU-Prober from Introbotix is an open platform TDR measurement system designed to meet and exceed today's testing needs, as well as those of the future. It is compliant with most widely used standards in manufacturing and design and is able to test to frequencies as high as 50GHz.

Higher Tier Performance — up to 50GHz

Responding to the needs of industry the ACCU-Prober HF30 & HF50 brings high frequency measurements up to 50GHz. While beneficial for any testing methodology, the HF30 is well suited for the next generation of SET2DIL, while the HF50 is designed for higher performance SPP, TVNA, Delta-L, and Impedance testing.

An Open Platform Built For The Future

Because ACCU-Prober is a TDR measurement platform and not a single purpose product, the ACCU-Prober allows manufacturing and design facilities to consolidate standard test methods into a single form factor. The ACCU-Prober can deliver results from .25 GHz up to 50 GHz and is available in configurations that measure impedance, propagation delay, SPP, SET2DIL, SET2SEIL, Delta-L, TVNA and future standards currently in development.

Created for Manufacturing Environments

The ACCU-Prober is designed with manufacturing in mind. The ACCU-Prober Static Isolation Unit fits precisely under the included Tektronix oscilloscope allowing a smaller footprint and eliminating long cables. The software interface is large and readable at a distance, with foot pedal control. The probe handle is contoured for comfort with a slip resistant rubber grip and houses a standard manual microprobe.

From the Innovator in High Frequency Testing

Introbotix is an award winning pioneer in high frequency testing — providing testing services for circuit board development and manufacturing.

ACCU-Prober™ — One platform, many configurations.

ACCU-Prober configurations include a 2 or 4 port SIU (Static Isolation Unit), with USB communications to a host PC, foot pedal control, Summary Report Writing Software, and Waveform Viewing Software.

■ ACCU-Prober with TDR Impedance

The ACCU-Prober with TDR Impedance provides both single and differential impedance measurements, plus propagation delay, velocity and EBW (max slope) loss. Includes 2 TDR probes for measurement and automation software.

Available Frequencies: 20GHz, 30GHz, 50 GHz

Compliant with TM-650 2.5.5.7 & 2.5.5.12 standard test methods (Including the new LPE Impedance Test Method).

■ ACCU-Prober with TVNA®

This Introbotix developed TDR testing method, TVNA®, provides fast and simple calibration, is probe independent, and correlates to VNA (vector network analyzer) insertion and return loss results. TVNA capability is also available as an add-on to any ACCU-Prober configuration.

Available Frequencies: 20GHz, 30GHz, 50 GHz

Compliant with TM-650 2.5.5.12 standard test method.

■ ACCU-Prober with SET2DIL

ACCU-Prober with SET2DIL measures Sdd21 differential insertion loss using the most current bidirectional SET2DIL methodologies. SET2SEIL is available as an add-on.

Available Frequencies: 20GHz, 30GHz

Fully compliant with the SET2DIL standard (Intel & IPC TM-650 2.5.5.12).

■ ACCU-Prober with SPP

ACCU-Prober with SPP is designed to meet the growing need for Short Pulse Propagation testing of today's high frequency printed wiring boards, fully licensed by SPP's developer, IBM. It can be configured with two hand held probes to measure single-ended and differential loss. Frequency dependent $D_R(f)$ and $D_F(f)$ is also provided.

Available Frequencies: 20GHz, 30GHz, 50 GHz

Fully licensed solution by IBM and is compliant with IPC TM-650 2.5.5.12.

■ ACCU-Prober with Delta-L

ACCU-Prober with Delta-L provides access to this emerging testing methodology with a highly efficient coupon design that is 5 times smaller than traditional Delta-L coupons. Delta-L is available as an add-on to any ACCU-Prober.

Available Frequencies: 20GHz, 30GHz, 50 GHz