

# FPC-Z10 Teaching Kit

## RF Teaching Solution



### The perfect choice for

University education

Demonstrations

### Your benefit

Value of three

### Features

The R&S®FPC1500 combines a spectrum analyzer, vector network analyzer and signal generator

One-stop teaching solution

Course materials tailored to hardware for a holistic learning experience

Investment protection

All spectrum analyzer upgrades available via keycode; no additional calibration required

### Solution overview

Spectrum analyzer

R&S®FPC1500 spectrum analyzer with the value of three

Teaching hardware

R&S®FPC-Z10 teaching kit

Teaching software

R&S®InstrumentView

Hands-on learning

Lab sheets with step-by-step practical exercises and quizzes

### The R&S®FPC-Z10 teaching kit for the R&S®FPC1500 provides added value

#### ■ Teaching kit

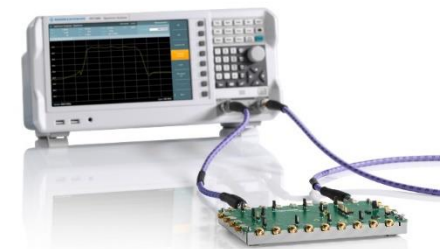
R&S®FPC1500 – an affordable spectrum analyzer with the value of three: spectrum analysis, one-port vector network analysis and signal generation  
RF teaching kit – a universal board with a transceiver, DC/DC converter circuitry for EMI troubleshooting and an onboard calibration kit for network analysis

#### ■ Lab sheets

Step-by-step exercises for the teaching kit to equip students with practical skills in operating test and measurement instruments

#### ■ R&S®InstrumentView

R&S®InstrumentView includes an educational feature called “Lab” that can help professors conveniently manage, monitor and assist students with their measurements from a central or remote location



## Highlights

✓ Upconverter path

✓ DC / DC converter

✓ Down-converter path

✓ I/Q modulator/demodulator\*

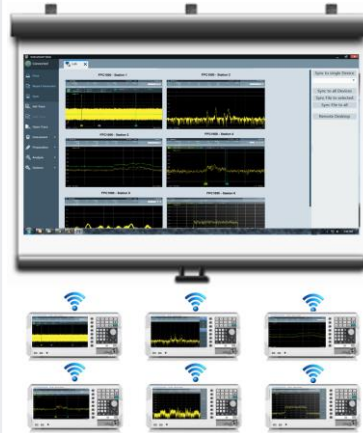
✓ Calibration kit

✓ Adjustable LO

Multifunctional kit for teaching and work

\* Will be available via firmware update

## R&S®InstrumentView



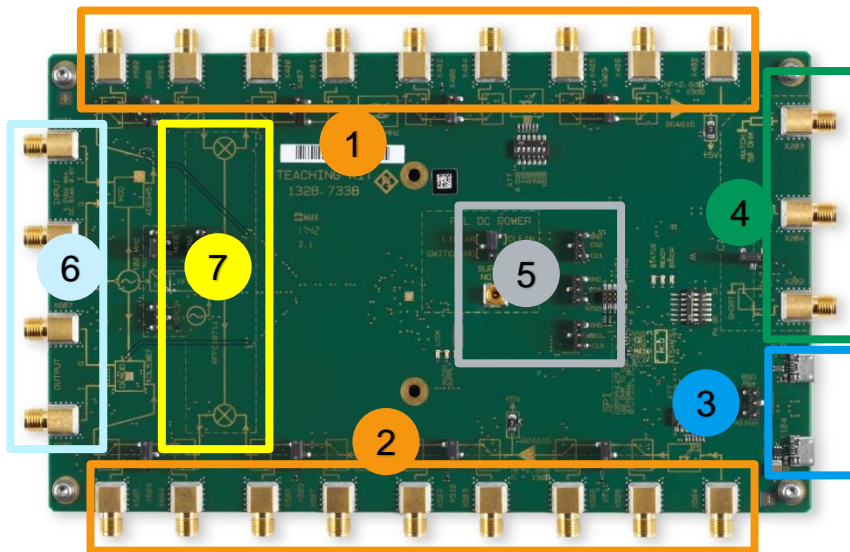
Virtual classroom – no need to wire devices, easy to remotely assist students anywhere

## Ordering information

### Model configuration information

Base unit	Description
R&S®FPC1500	Spectrum analyzer, 5 kHz to 1 GHz
R&S®FPC-Z10	R&S®FPC teaching kit
Option	Description
R&S®FPC-B2	Spectrum analyzer frequency upgrade, 1 GHz to 2 GHz
R&S®FPC-B3	Spectrum analyzer frequency upgrade, 2 GHz to 3 GHz
R&S®FPC-B22	Spectrum analyzer preamplifier
R&S®FPC-K7	Modulation analysis
R&S®FPC-K42	One-port vector network analysis
R&S®FPC-K43	Receiver mode
R&S®FPC-K55	Advanced measurements
Accessories	Name
R&S®HZ-15	Near-field probe, 30 MHz to 3 GHz
R&S®HZ-16	Amplifier, 100 kHz to 3 GHz
R&S®HZ-17	Near-field probe, 30 MHz to 3 GHz
R&S®FSH-Z320	RF cable (1 m)

## R&S®FPC-Z10 teaching kit overview



- 1 Upconverter
- 2 Downconverter
- 3 Power supply
- 4 Calibration Kit
- 5 DC/DC converter
- 6 IQ Modulator / Demodulator
- 7 Local Oscillator