



**DS INSTRUMENTS**

# 18GHZ PHASE SHIFTER

## Description

The **PS18000** Ku-Band Phase Shifter from DS Instruments provides handheld stand-alone and remote-controlled phase shifting from 0 to 355 degrees in **5.6-degree** increments. This compact USB device features a graphic display and audio feedback. Simple to use and integrate into automated test environments, the PS18000 is extremely attractive for many satellite-link test applications.

*New product for 2018!*

## Device Specifications:

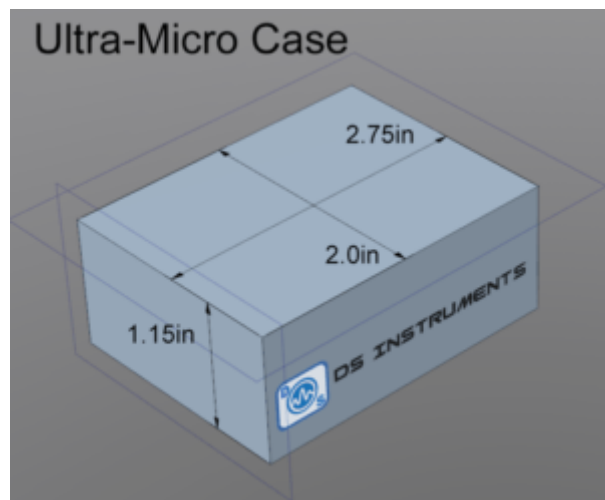
- Frequency Range: **8000 – 18000** MHz
- Angle Range: **0 – 355** degrees
- Max Input Power (CW): **+29dBm**
- Phase Resolution: **5.625** degrees
- Insertion Loss: **10dB** typical
- Return Loss: 9dB typical
- Input P1dB: 25dBm
- Input IP3: 40dBm
- Bi-directional design

## PS18000 Digital Phase Shifter Features:

- Ultra compact powder-coated aluminum case
- Audio feedback
- Simple automated remote control interface
- Micro-USB powered
- Free PC control application
- Micro-USB powered and controlled
- Front control buttons and OLED display
- Premium gold 26GHz SMA ports
- High reliability
- [Optional Ethernet](#)

## Typical RF Applications:

- Antenna systems
- Phased array research and development
- Beam forming projects
- Electronic warfare and defense
- Satcom systems



Phase Shift Control Application:

