

# RTH-K33 – Two-Channel High Resolution Frequency Counter



# New Application Option: RTH-K33

## Two Channel High Resolution Frequency Counter

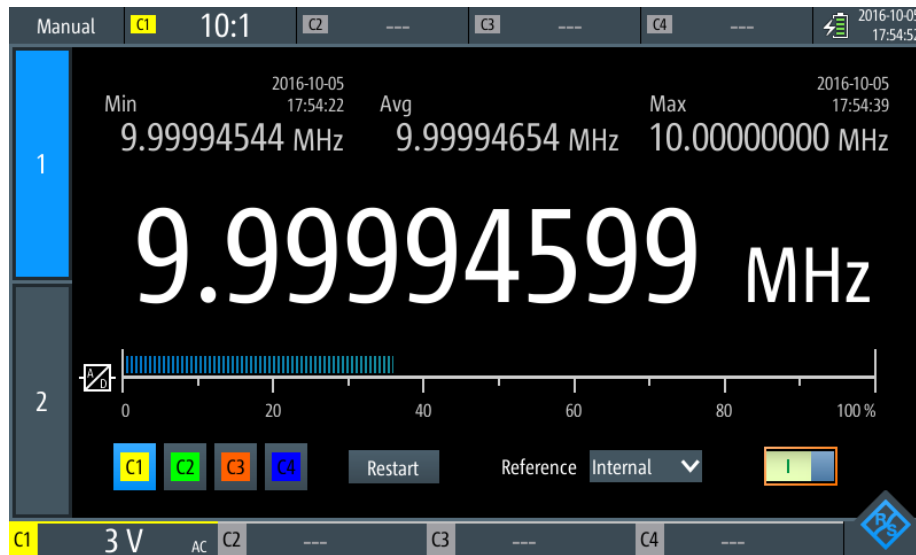
### ■ Key Benefits

- Two-channel frequency counter
- High-accuracy mode with external reference
- Frequency range:  
10 Hz to scope bandwidth
- 9 Digit Display
  - Up to 7 digits accuracy with external reference

### ■ Application

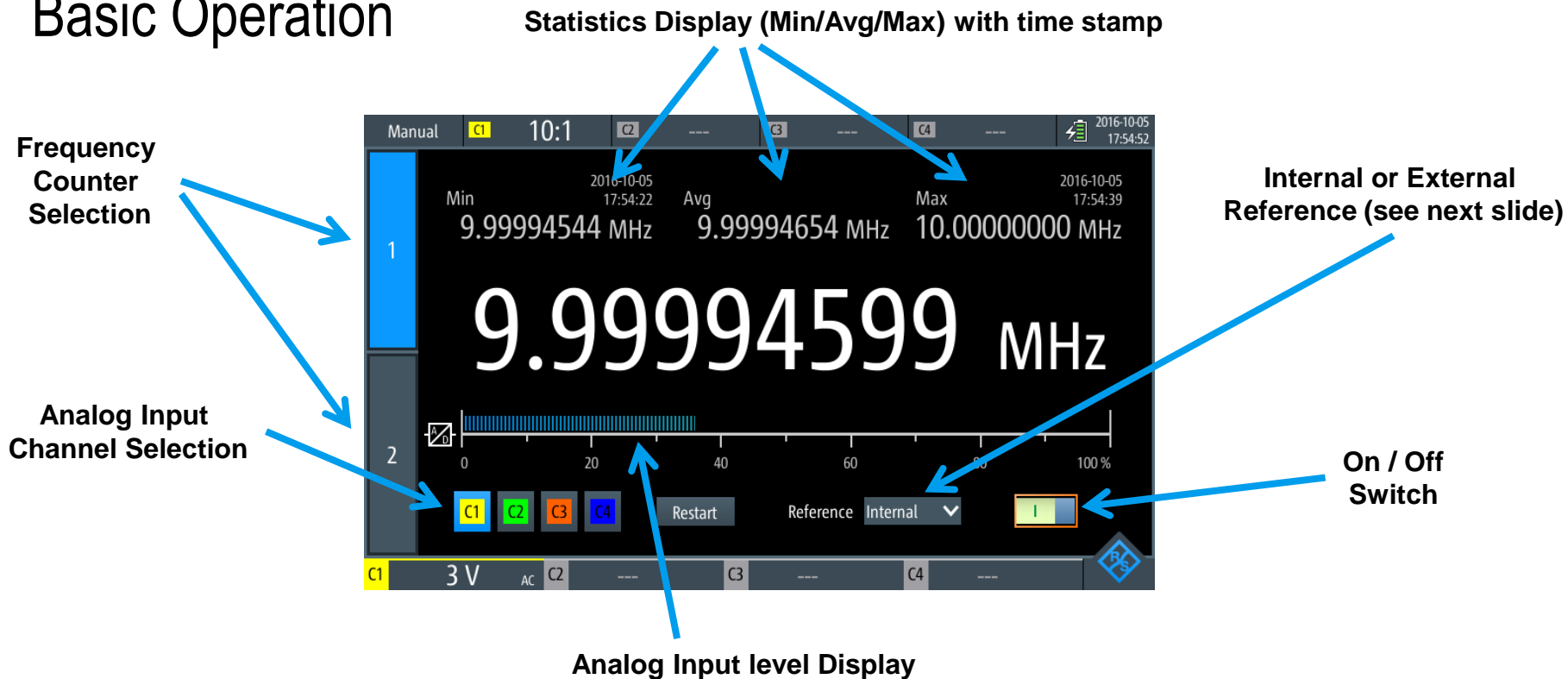
- Telecommunication clock testing
- Embedded electronics clock testing

### ■ Not available in competitive handheld scopes!



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## Basic Operation



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## High-Accuracy Operation Mode with External Reference

### A. Connect external reference clock to second input channel

- e.g. CH1: Clock to measure, CH2: Reference clock

A)



External high accuracy  
(e.g. Rubidium) clock

### B. Switch to external reference

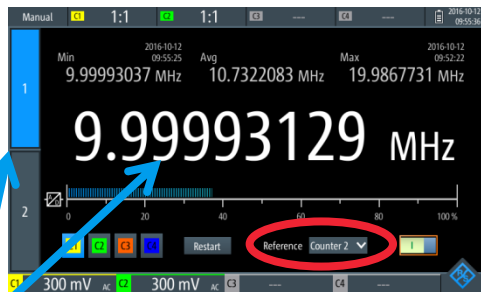
### C. Enter frequency of external reference

- In Frequency Counter 1 menu

### D. Perform high-accuracy frequency measurement

- On Frequency Counter 1

B)



D)

C)



### E. Optional: Check reference clock

- On Frequency Counter 2

E)

