



## Handheld Frequency Counter

### OHFC3315

- 3 channels, dual intermediate frequencies for CH1 and CH2; pulse wave (continuous wave) on CH3.
- High precision measurement; crystal accuracy up to  $1 \times 10^{-9}$  input frequency/s.
- Measurement functions: frequency, time, phase, period, positive and negative pulse width, duty, sum, etc.
- Analysis, auto limit test, max, min, average, max absolute deviation, single absolute deviation, relative deviation, Allen Variance, standard deviation, and RMS.
- 5.7-inch, 640 x 480 TFT display.

| Model  |   | OHFC3315   |
|--|---|--|
| CH1,<br>CH2  | Measurement Frequency Range   | 0.00 1 Hz ~ 225 MHz  |
|  | Time Interval   | 5 ns ~ 100000 s  |
|  | Range of Cumulative Count   | Counting capacity: $1 \times 10^{15}$  |
|  | Dynamic range   | Sine wave: 30 mVrms ~ 1.5 rms  |
|  |   | Pulse wave: 120 mVp ~ p ~ 4.5 Vp-p   |
|  | Accuracy  | Frequency measurement accuracy: $[\pm (1 \text{ ns} / \text{gate-time}) \pm \text{time base error}] \times \text{input frequency}$ |
|  |   | Time base error: $\pm 3 \times 10^{-9} / \text{day}$ (or $3.5 \times 10^{-14} / \text{s}$ )  |
| Time interval measurement accuracy: 1 ns time base error $\times$ the measured time interval |   |  |
| Resolution   | Resolution of frequency measurement: $(0.1 \text{ ns/gate-time}) \times \text{input frequency}$ |  |
|  | Resolution of time interval: 0.1 ns   |  |
| CH3  | Input Impedance   | 50 $\Omega$  |
|  | Range of Frequency Measurement  | 200 MHz ~ 3 GHz  |
|  | Dynamic Range   | Sine wave: -17 dBm ~ + 13 dBm  |
| EXT Trig Input   | Input Impedance   | $\geq 1 \text{ k}$   |
|  | Input Level   | TTL  |
|  | Pulse Width   | $\geq 200 \text{ ns}$  |
| INT Time Base  | Frequency   | 10 MHz   |
| FSB  | Stableness  | $3 \times 10^{-9} / \text{day}$ (or $1 \times 10^{-9} / \text{day}$ )  |
| Scale Input  | Frequency   | 10 MHz   |
|  | Range   | 3.3 V logic level  |
| Physical   | Power Supply  | AC110 V-240 V/45-60 Hz   |
|  | Lithium Batteries   | 7.4 V / 4 A, lasting working time $\geq 4$ hours   |
|  | Dimension   | 64 mm $\times$ 169 mm $\times$ 256 mm (H $\times$ W $\times$ D)  |
|  | Weight  | Approx. 2 kg   |