



# VOLTCRAFT®

## VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

"For more than 25 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success."

# DSO-1084-1104-1204-1254E/F

## DIGITAL-OSCILLOSCOP

CE  
VERSION 09/17

N° 1562815; 1589981; 1589986-87; 1590010; 1590022-24;

The digital oscilloscope is intended to be used for visualising electrical magnitudes and signals. There are four independent input channels available for measurement. The measuring lead is connected to the oscilloscope via two BNC sockets. Integrated help system can be called up on the display. The signals measured can be displayed on the display as well as on a PC when a USB cable is used.

### FEATURES:

80 MHz / 100 MHz / 200 MHz / 250 MHz bandwidth //  
1 GSa/s real-time sampling rate // Advantage set of 4 probe  
heads // Amplitude 5 mV<sub>SS</sub> - 3,5 V<sub>SS</sub> (50 Ω) // The DSO-  
1xx4F is also equipped with a frequency generator //

### TECHNICAL DATA:

Rise-time	≤ 4,4 ns / < 3,5 ns / ≤ 1,8 ns / < 1,4 ns
Resolution	8 bit
Input impedance	1 MOhm ± 2% // 20 pF ± 3pF
Max. input voltage	300 V rms (probe setting 10×)
Input coupling	DC-AC-GND
Sampling rate max.	1 GSa/s
Memory depth max.	64 Kpts
Vertical deflection:	500 μV - 10 V/div
Time-base range	2 ns - 100 s/div
Measurement category	CAT II 300 V
Waveform frequency	Sine: 0.1 Hz - 25 MHz; Square: 0.1 Hz - 10 MHz; Ramp: 0.1 Hz - 1 MHz; EXP: 0.1 Hz - 5 MHz
Sampling rate	200 MS / s
Display size	17,8 cm (7")
Power supply	100 - 120 V AC / 45 - 440 Hz 120 - 240 V AC / 45 - 60 Hz
Power consumption	< 30 W
Operating temperature	0 °C to +50 °C, ≤ 90% non-condensing,
Dimensions (L x W x H)	318 x 110 x 150mm
Weight	2900 g



### PACKAGE CONTENTS:

4 probe heads (each 1: 1/10: 1) // Mains cable // USB cable //  
A BNC to BNC cable (only for the scopes with waveform  
generator function) // Software // Detailed operating  
instructions (english) // Quick start guide (multilingual) //

#### Legal notice

This data sheet is published by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).  
All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in  
electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited.  
This data sheet represent the technical status at the time of printing.

© Copyright 2017 by Conrad Electronic SE

V2\_0917\_02/VTP