

VOLTCRAFT®

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

"Since 1982, 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-6084 – 6104 – 6204 – 6202E/F/FM

DIGITAL-OSCILLOSCOP

CE

VERSION 12/21

N° 1673261 - 1673269

The digital oscilloscope is intended to be used for visualising electrical magnitudes and signals. There are two / four independent input channels available for measurement. The measuring lead is connected to the oscilloscope via two / four 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 or LAN cable is used.

Only by DSO-6xxxF/FM: The built-in 25 MHz arbitrary function generator for test input signals (e.g., square, sine, ramp, pulse) operates at a sampling rate of 125 MS/s, a 14-bit resolution and provides an output voltage range of 2 mVpp to 6 Vpp.

Additionally by DSO-6202FM: The integrated digital multimeter allows for measurements of direct and alternating voltages up to max. 400 V, currents up to max. 10 A, resistances up to max. 40 MΩ, capacities up to max. 100 μF and frequencies up to max. 10 MHz. In addition, diode testing and acoustic continuity testing.

FEATURES:

80 MHz / 100 MHz / 200 MHz bandwidth // 1 GSa/s real-time sampling rate
// Advantage set of 2 / 4 probe heads //

TECHNICAL DATA:

| | |
|--------------------------------|--|
| Measuring inputs | two / four separat channels |
| Bandwidth | 80 MHz / 100 MHz / 200 MHz |
| Input impedance | 1 MOhm ± 2% // 15 pF ± 5pF |
| Max. input voltage | 1 MΩ ≤ 300 V rms // 50 Ω ≤ 5 V rms |
| Measurement category | CAT II 300 V |
| Input coupling | DC-AC-GND |
| Rise-time | ≤ 4,375ns / < 3,5 ns / ≤ 1,75ns |
| Sampling rate max. | 1 GSa/s |
| Vertical deflection | 1 mV μV - 10 V/div |
| Time-base range | 1 ns / 2 ns - 1000 s/div |
| Trigger mode | auto, norm, single |
| Resolution | 8 bit |
| Display size | 20,48 cm (8") |
| Display resolution | 800 x 600 pixel |
| Power supply | 100 – 240 V AC / 50 – 60 Hz |
| Power consumption | depending on model 15 W / 24 W / 33 W |
| Operating temperature | 0 °C to +40 °C, ≤ 90% non-condensing, |
| Storage temperature | -20 °C to +60 °C, ≤ 60% non-condensing |
| Product dimensions (L x W x H) | 340 x 177 x 90 mm |
| Weight | 2600 g |



PACKAGE CONTENTS:

2 / 4 probe heads (each 1: 1/10: 1) // Probe adjust // Mains cable // USB cable // Software // Detailed operating instructions (English) on CD // Quick Start Guide (multilingual) // Only for the scopes with waveform generator function: A BNC to BNC cable // Only for the scopes with Digital multimeter function: measuring adapter & safety measuring line //

This data sheet is a publication 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 publication represent the technical status at the time of printing.

© Copyright 2022 by Conrad Electronic SE.

1673266_V2_1221_01_PIX_ds