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Tcp202 current probe manual

When combined with a Tektronix TDS oscilloscope, the TCP202 enables users to make direct readout DC and AC current measurements, resulting in accurately displayed and recorded measurements. The TCP202 is a general-purpose probe for displaying and measuring current in electronic circuits. It is ideal for power supply and motor drive design, and for device testing. Instruction ManualReference ManualGround Lead (installed) Good to know, as we have at least half a dozen TCP202s at work. I did see one with the plastic at the tip cracked. Probably could have fixed it with epoxy or something, but I think it got thrown out.I'd at least try to repair one now if it goes south on me.Thanks for posting, Ed.Jim Ford Sent from my Verizon, Samsung Galaxy smartphone toggle quoted messageShow quoted text -------- Original message --------From: Ed Date: 1/9/20 2:43 PM (GMT-08:00) To: TekScopes@groups.io Subject: Re: [TekScopes] Damaged TCP202 Current Probes Chris:For the probe with the large DC offset, take the probe apart and make sure that everything is soldered down properly inside,especially the balance wheel and the coarse pot. Replace the pot if as you say it is worn out. As far as the second one is concerned, it also sounds like something in the probe is intermittent. You should also disassemble and check. During disassembly of the upper and lower probe body be very careful not to lose the small ball bearing. Also, make sure that you record the orientation of the springy metal plate inside so it can be put back in the correct orientation. It has a tendency to fall out of the body. If there is broken or cracked plastic at the head of the probe, or if the little tab or it's mating piece is missing, you will need new plastic pieces unless you want to tie wrap it together every time you use it. I once purchased a non working TCP-202 probe only to find that someone had disassembled and reassembled it with the head plugged incorrectly into the board (one row of pins outside the connector). It was fully functional once the head was plugged in correctly.On older probes like the P6302 and A6302 (older versions without the coarse pot) I have had to replace the select on test resistor in the probes to get the DC offset to balance. The TCP-202 does not have the select on test resistor as it has the coarse adjust pot. The older probes are also prone to having broken wires in the metal connector. The TCP-202s usually do not have broken wire issues unless someone has nicked or cut the cable. Do check the spring pins in the TCP-202 TEKPROBE connector though to make sure that they move in and out properly.ed From TekWiki Jump to navigation Jump to search The Tektronix CT-4 is a passive high-current transformer used to extend the range of A6302, A6302XL, A6312, TCP202 or P6021 oscilloscope current probes to up to 2 kA. The probe can be inserted in either of two slots, with 20:1 or 1000:1 current transformation resulting. Specifications Maximum continuous current 2,000 A Maximum peak current 20,000 A Bandwidth With TCP202 or A6302/A6312: 0.5 Hz to 20 MHz With A6302XL: 0.5 Hz to 17 MHz With P6021: 120 Hz to 20 MHz Current range With A6312/A6302/A6302XL: 20 mA/Div to 100 A/Div (20:1) / 1 A/Div to 1,000 A/Div (1000:1) With TCP202: 200 mA/Div to 100 A/Div (20:1) / 10 A/Div to 1,000 A/Div (1000:1) With P6021: 20 mA/Div to 20 A/Div (20:1) / 1 A/Div to 1,000 A/Div (1000:1) Manuals Tektronix CT-4 Manual (PDF) Hover to zoom Used The TCP202 is a Current Probe from Tektronix. Current Probes are an integral part of any electrical power testing toolbox to ensure accurate measurements, reliability, and safety. Purchase a current probe set with your oscilloscope. Probes can use pulse waveforms to test components without removing them from circuits with in-circuit capabilities. Choose the probe that complements your system. We carry new and used current probes from major industry brands.

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