MOHR™ High Bandwidth Pin and Socket Probe Kit

Provides a matched impedance connection to the measured cable

Figure 1: MOHR High Bandwidth Pin and Socket Kit

The MOHR High-Bandwidth Pin and Socket Probe Kit consists of impedance matched, high bandwidth, adjustable pitch probes in all common pin and socket contact sizes for MIL-Spec, twisted pair, and other connectors for use with the MOHR CT100 Series Time Domain Reflectometer Metallic Cable Testers.

Each kit features 8 handheld probes covering the most commonly used connector contact sizes, a flexible adapter cable, adapters, and a rugged waterproof case.

SPECIFICATIONS:

Contacts:
All contacts meet M39029 Specifications

Sizes:
#22 Pin	#22 Socket
#20 Pin	#20 Socket
#16 Pin	#16 Socket
#12 Pin	#12 Socket

Extension Cable:
M17/113-RG316 18" Coaxial Cable SMA Male Connector

Electrical:
Impedance: 50 ohms

Mechanical:
Case Dimensions:	8.67(W) x 5.08(L) x 1.88(D) Inches
	22(W) x 12.9(L) x 4.7(D) cm
Kit Weight:	0.96lbs (438g)

Ordering Information:
MOHR Part Number: CT100-AK-PSP

KEY FEATURES

- *Optimized for use with the MOHR™ CT100B TDR*
- *High Bandwidth Probes maintain signal integrity*
- *Adjustable pitch for all connector spacings*
- *Impedance matched for Mil-Spec Connectors*
- *Allows for rapid testing of multiple contacts and pairs*
- *#22, #20, #16 and #12 Pin and Socket Sizes*

Figure 2: MOHR #16 Socket adapter testing a Mil-Spec Cable Assembly

Retention of Signal Integrity:

Figure 3 shows the difference in TDR bandwidth and resolution using the MOHR High-Bandwidth Pin and Socket set in comparison to standard alligator clip leads on two conductors of a Mil-Spec Cable Assembly. The minimal impedance change through the adapter allows the instrument to resolve connector-level details to detect small faults.
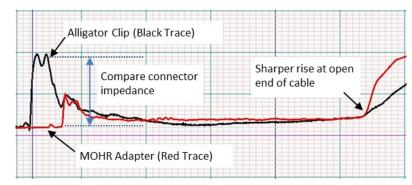

Figure 3: TDR Traces demonstrating the difference in resolution and bandwidth between a MOHR Socket Probe and conventional alligator clip leads

MOHR™
Test and Measurement Solutions for Industry

info@mohrtm.com
2105 Henderson Loop, Richland, WA USA 99354
ph: +1 (888) 852-0408 fax: +1 (888) 278-8037
http://www.mohrtm.com/