

KADRO

At-a-Glance

KADRO uses well defined parts in order to provide reusability.

Our solutions based on KADRO ranges from small portable test solutions to large real-time systems.

Naturally we provide traceability in all aspects from configuration and requirements to test results.

In product development our solutions shorten development time and improve quality. In production our solution cut time and provides data for yield measurements.

Our mission for each customer is to provide the most cost-effective solution.

ADVANTAGES

- ✓ Aliaro is an awesome test solution provider
- ✓ A proven concept, based on 15 years' experience in Test System Development.
- ✓ Cost Efficient
- ✓ Long economic life length
- ✓ Flexible architecture
- ✓ Cloud Solution enables the possibility to work remote.

CONTACT US

☎ +46 (0)31-533 900

✉ sales@aliaro.com



KADRO-MPB-12 for SLSC

SUMMARY

The KADRO-MPB-12 module is a flexible and unique module that connects the test object and loads to the test system in a SLSC chassis.

By using software the pins on the module can be modified, which enables the users to update the HIL system setup without changing hardware.

The board provides signal conditioning and switching capabilities on each channel. Each pin can route either AI/AO/DI/DO/PWM and, by default, fault injection on all pins



THE MULTI PURPOSE MODULE PROVIDES:

Signal conditioning:

- On board digital signal conditioning, adjustable threshold (+/- 30V).
- Add-on modules for:
 - Current and Voltage amplifiers.
 - Resistance emulator.

Signal switching:

- Brake up switch for each channel.
- Two switches for each channel to common buses.
- Suitable for both digital and analog fault insertion.
- Provides build-in test for system check.

Configuration and monitoring in VeriStand

- Easy operation using NI Veristand
- Includes Custom Devices in Veristand

SPECIFICATION:

Functionality

- ✓ Digital signal conditioning of each channel (1-12) with configurable threshold (+/- 30V)
- ✓ Status monitoring of each channel
- ✓ Interface for signal conditioning add-on modules
- ✓ Two common buses with switches to each channel
- ✓

Electrical parameters:

- ✓ Power supply: 24VDC, +/-10%
- ✓ Operating voltage range: -60- +60V
- ✓ Max continuously current : 10A /ch. (Max 40A by parallel channels)
- ✓ Max peak current: 100A/1s
- ✓ 100V channel isolation
- ✓ Channel bandwidth (50Ω): 1 MHz
- Channel to channel isolation: (50Ω/1MHz): 60dB

