

## Functional Tester KADRO K32

### KADRO

#### At-a-Glance

From the very first moment Aliaro was founded, the idea was to create something different, useful and durable.

Our name "Aliaro" comes from the Esperanto "aliro", which means assets. We see ourselves as integrators, innovators and mentors for our customers.

We develop under the motto "design for flexibility", which means that we help our customers to design flexible and scalable solutions.

ALIARO looks back at many years of experience in the design of test systems and offers extensive knowledge to their partners.

With our experience we can help our partner to foresee needs and offer suitable systems for best workflow and future needs.

#### ADVANTAGES

- ✓ 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.

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Alliance  
Partner

#### OVERVIEW

The Functional Tester KADRO K32 is open platform for performing automated testing of one or many test objects during R&D. KADRO K32 is designed to be extended and customized to meet your changing requirements.



The demand to include automated tests before release of new products has increase in a rapid speed and to manage this you need to invest in flexible and re-usable test systems.

ALIARO have therefor developed a flexible test system where you can change the behavior of a setup without the need to change the hardware.

#### BENEFITS

KADRO K32 enables the possibility to configure pins to the connector in a flexible way i.e. each pin can be configured into six different settings (AI/AO/DI/DO/PWM IN/PWM OUT), using software-based matrix. By default, the platform offers fault injection on all channels. This makes KADRO K32 into an awesome test system with a flexibility that can handle product changes without the need to change hardware.



KADRO K32 can be used with 3<sup>rd</sup> party application such as LabVIEW, RobotFramework

#### NI FLEX LOGGER

FlexLogger provides a configuration-based workflow to accomplish validation and verification tasks throughout the product design cycle. Learn more about common data-logging applications below

##### Troubleshoot Physical Systems

You can use FlexLogger with sensor-specific CompactDAQ modules to integrate new measurements to quickly identify faults and malfunctions

##### Characterize Component Performance

FlexLogger automatically synchronizes mixed-signal measurements, so you can accurately analyze data from different sources to verify physical components function according to design specifications

#### TECHNICAL SPECIFICATION:

Embedded Linux Controller  
Analog measurement (32ch)  
Digital measurement (32ch)  
PWM measurement  
Fault insertion

#### INDUSTRY APPLICATIONS:

Electronics  
IoT  
Industry  
Prototyping  
R&D