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Data Sheet

August 13, 2026

KISTLER

Kistler 5863A10 Control Monitor

The Kistler 5863A10 isacontrol monitor in the Kistler 58xx industrial/process monitoring family used with piezoelectric sensors (force, pressure, acceleration) for production and lab monitoring. It is notaKeysight instrument. Channel count, sensor supply, and limit functions are configuration-specific on the 5863A10 nameplate and Kistler data sheet. Function: sensor signal monitoring and control limits Sensor Class: piezoelectric force/pressure/acceleration (configuration) Documentation: Kistler 5863A10 data sheet Outputs: monitor/alarm/analog per configuration



MODEL

Kistler 5863A10

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

5863A10

LISTING

<https://aumictechlabs.com/products/5863a10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kistler 5863A10 Control Monitor is a single-channel force and displacement measuring system for DIN rail mounting in industrial process control. This compact monitor delivers real-time cycle-by-cycle analysis at speeds up to 20 cycles per second, with configurable evaluation functions for nondestructive testing, quality classification, and fault diagnostics across press-fit, assembly, and test applications. Technical Specifications Power Supply: 18–30 VDC Power Consumption: 6–7 W Monitoring Speed: Up to 20 cycles per second Parameter Sets: 256 configurations supported Evaluation Functions: Up to 12 freely combined functions including boxes, thresholds, limit positions, gradients (dy/dt or dy/dx), integral, and hysteresis analysis Fault

Analysis: 20-cycle historical capture for root-cause investigation Data Export: Offline conversion to XML, HTML, text, Excel, and qs-STAT formats Weight: 1.03 lbs Protection Class: IP20 Certifications: CE compliant; EMC per EN 61000-6-4 (industrial emission) and EN 61000-6-2 (industrial immunity) Key Features Six PLC-compatible digital I/O channels with varistor ESD protection for machine control integration RS-232C serial interface for device service and barcode reader connectivity Ethernet and TCP/IP networking with web server functionality for remote access and centralized data logging Cyclic transmission of process values and measured curves to networked data servers Simultaneous monitoring of threading, curve morphology, slope behavior, hysteresis, blocking force, and final position within single setup Typical Applications Press-fit process validation and nondestructive force-displacement relationship analysis Assembly quality assurance and tolerance-based part classification Functional testing with real-time decision logic and fault sorting Quality data centralization and trend monitoring via web interface Compatibility & Integration Integrates directly into existing Ethernet infrastructure and PLC networks. Supports standard industrial communication protocols and remote diagnostics from any networked location.

Features & description

From manufacturer datasheet

Features

- Kistler control monitor 5863A10

Applications

- Piezo sensor process monitoring

5863A10 Characteristics / Specifications

PARAMETER	VALUE
Model	5863A10
Manufacturer	Kistler
Instrument Type	Control Monitor
Alias	5863A10; Kistler 5863A10
Family	Kistler 58xx monitors
Function	sensor signal monitoring and control limits
Sensor Class	piezoelectric force/pressure/acceleration (configuration)
Not Keysight	Kistler product not HP VXI
Form	control monitor electronics
Use	production/lab monitoring
Status	Kistler 5863A10
Documentation	Kistler 5863A10 data sheet
Power	mains/DC per nameplate
Outputs	monitor/alarm/analog per configuration
Inputs	sensor/charge or voltage per option
Display	monitor front panel
Limits	control-limit evaluation
Mounting	panel/rack per 5863A10
Compatibility	Kistler sensors/cables of the 58xx family
Calibration	Kistler sensor plus monitor chain
Environment	industrial monitor class
Identification	faceplate 5863A10
NotACharge Amp Only	control monitor with limits

PARAMETER

VALUE

Not 50

different Kistler charge-amp family Notes Kistler 5863A10 control-monitor identity from Kistler 58xx family. Channel count sensor supply and limit math are on the Kistler 5863A10 sheet and the unit nameplate. Do not invent piezo nC/g figures.

5863A10 Specifications

PARAMETER	VALUE
Kistler 5863A10 Control Monitor	Overview
Key Features	- Kistler control monitor 5863A10
Technical Specifications	Model: 5863A10

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Not 5010	different Kistler charge-amp family

Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.