

NTM-9

NEW

**NUCLEAR, MIL-SPEC OR INDUSTRIAL GRADE
PROGRAMMABLE BARGRAPH-CONTROLLER
SHORT DEPTH UNIT FOR TIGHT SPACES**

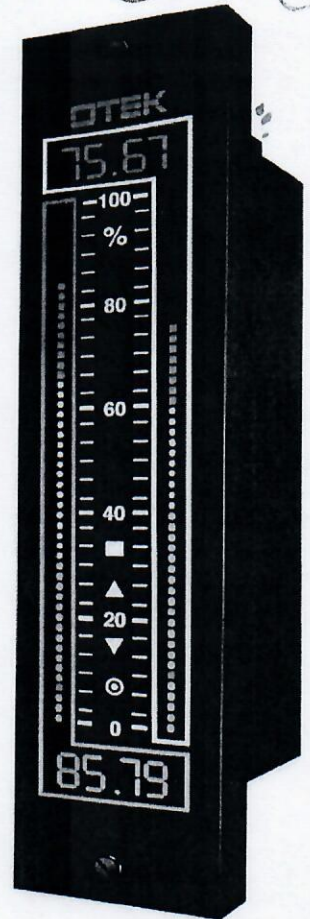
**MODEL
HI-Q128
(ATB)**

FEATURES:

- Math Function: +, -, x, ÷, √
- Polynomials: to 9th order
- X-Y tables: 25 Point
- Firmware: SV & V Certified
- Environment: MIL-STD 461, 167, 901, 810, EPRI 102323
- SV & V: HW & FW. Over 10 years and thousands of units in Nuclear (Class 1E), MIL and Industrial environments
- Automatic Tricolor
- Over 30 input signal conditioners
- Any power input AC or DC
- 4 Relays or 8 O.C.T. (Alarms)
- 4-20mA, 0-5 V analog out
- Serial: 232,485, USB
- Ethernet, Can, Modbus: On request.
- Housing Depth 2"
- Plastic or Metal housing
- Euro Plug-In connectors
- Custom Scale Plates
- Free GUI
- Front Panel Key Pad (Optional)
- Lifetime Warranty

PRELIMINARY

Actual Size 1 3/4" x 6" x 2 1/2" ⁹



SPECIFICATIONS

(Basic Mainframe @ 25°C)

- A/D: 18 Bit:
- Sampling: 16/Second
- Accy. & Resolution: ±0.01%
- Temp. Drift: ± 50 PPC/°C
- CMRR: > 90 dB
- CMV: ± 2 VDC
- Zero, Span, Averaging, Tare, Linearizer: Configurable
- DAC: 16 Bit:
- Accy. & Linearity: ±0.01%
- Isolation: 500 VDC
- Compliance: Internal (30 V@30mA)
- Relays: 1A SPDT (10A on request)
- O.C.T.: 30 VCE/250mA Sink
- Power: 5-300 VDC, 90-265 VAC (5W max)
- Bargraph: Auto-tricolor, 51. (RGY), 2% Resolution
- Digital: 4 digit (9999), ±0.01% Resolution
- Environmental: See Case Options
- Input Signals: See Signal Conditioners

DESCRIPTION

The model HI-Q128 offers the same basic hardware and firmware as the popular HI-Q family bargraphs/controllers but it is only 2" deep. This makes it ideal for applications where space behind the panel is limited. Both Mil-Std. and EPRI 102323 compliant options are available on request.

OBSOLESCENCE:

The new HI-Q128 is protected against obsolescence thanks to its 100% modular design. Even the CPU is modular. Our adherence to NUREG -0700 & 0-800 (HMI), EPRI 102323 (EMI/RFI) and several Mil-Std. has made the HI-Q series the controller/monitor of choice in all modern/refurbished installations worldwide.

HI-Q COMPARISON CHART

SERIES	HI-Q128	HI-QTEK HI-Q119	Replaces any 6" tall
Relays (4)	1A	10A	Prime
DAC	1 Ea.	Up to 2 Ea.	Sigma
Input Signals	>30	<10	Dixson
Serial I/O	Any	232,422,485	Ametek
I/O Isolation	All	DAC & Serial	VMI
Diagnostics	Yes	No	Weschler
Depth	2"	4" & 8"	Westinghouse
Warranty	Lifetime	Lifetime	

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