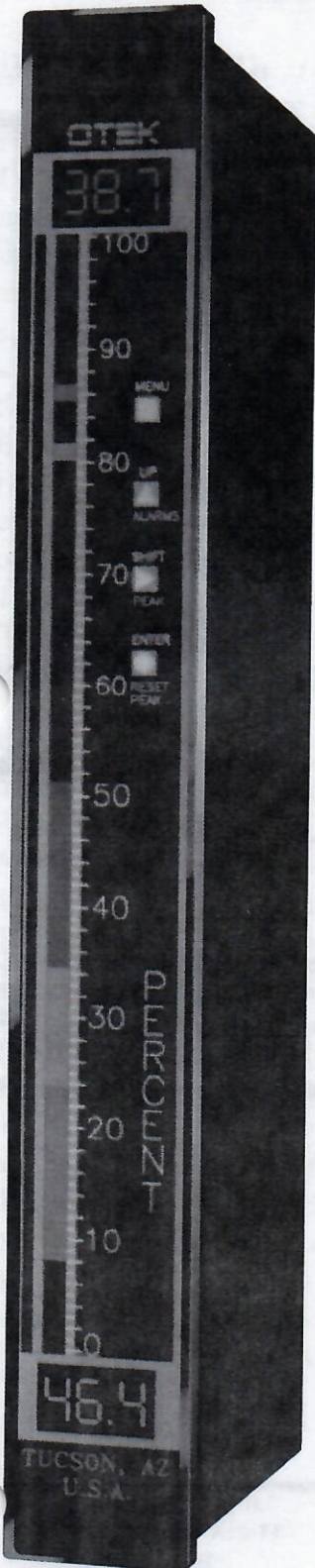


**101 SEGMENT AUTOMATIC TRI-COLOR BARGRAPH
PROGRAMMABLE INTELLIGENT CONTROLLER
REPLACES CHESEL'S 700 SERIES**

**MODEL
HI-Q115**

HI-Q115 Dual Digital



(75% Scale)

FEATURES:

- Replaces Chessel's 700 Series
- Isolated Analog And Serial I/O
- 10A Relay and Transistor Outputs
- Built-in Math Functions
- Pluggable Connectors
- NEMA 4X Front Panel
- All Metal Housing
- EMI/RFI Shielding Optional

DESCRIPTION: The *HI-Q115* has a 101 segment tri-color bargraph with single or dual 3 digit numeric displays. Bar-graph operation includes unipolar and bipolar. Bargraph limits can be shown in three colors.

The *HI-Q115* accepts up to two isolated DC volt or milliamp inputs. VAC, mAAC, RTD, thermocouple and strain gage inputs will be available soon.

Output options include a maximum of two isolated 4-20mA or 0-5VDC analog outputs and up to four 10A relays or transistor outputs with adjustable trip points and hysteresis.

Serial I/O via the DB-9 connector allows complete configuration of the *HI-Q115* math functions, table and polynomial linearization and advanced meter functions.

Engineering units, relay trip points and display settings are easily configured using the built-in keypad.

The NEMA 4X standard faceplate reads 0-100% with low cost custom legends available.

SPECIFICATIONS:

ANALOG INPUTS:

- Bipolar input range
- 5 Samples/Second
- 30V, 50mA transducer compliance available.
- Accuracy: 0.05% +/- 1 count
- Linearity: 0.05% +/- 1count
- Isolation: 500V minimum
- Resolution: 18 Bits

ANALOG OUTPUTS:

- Accuracy: 0.05%
- Linearity: 0.05%
- Isolation: 500V
- Resolution: 16 Bits

DISCRETE OUTPUTS:

- Relays (Form C)
 - 10 amps @ 240VAC
 - 8 amps @ 24VDC
- Transistors
 - Open-Collector type
 - 30VDC, 250mA (Sink)
 - No isolation to inputs

SERIAL I/O:

- Baud rate: 1200 - 19,200 bps
- 8 data bits, no parity, 1 stop bit, all ASCII characters.
- RS232C (full duplex)
- RS-422 (4-wire full duplex)
- RS485 (2-wire half duplex)
- Isolation: 500V

MECHANICAL:

- Aluminum/Steel Housing
- NEMA 4X (IP65) Faceplate
- Plug-In/Screw Connectors
- DB9F Serial Connector
- Weight: 48 oz. Max. (1361gm) Max.

ENVIRONMENTAL:

- Operating Temperature: 0-60°C
- Storage Temperature: -20-75°C
- Humidity: 5-95% RH, N.C.

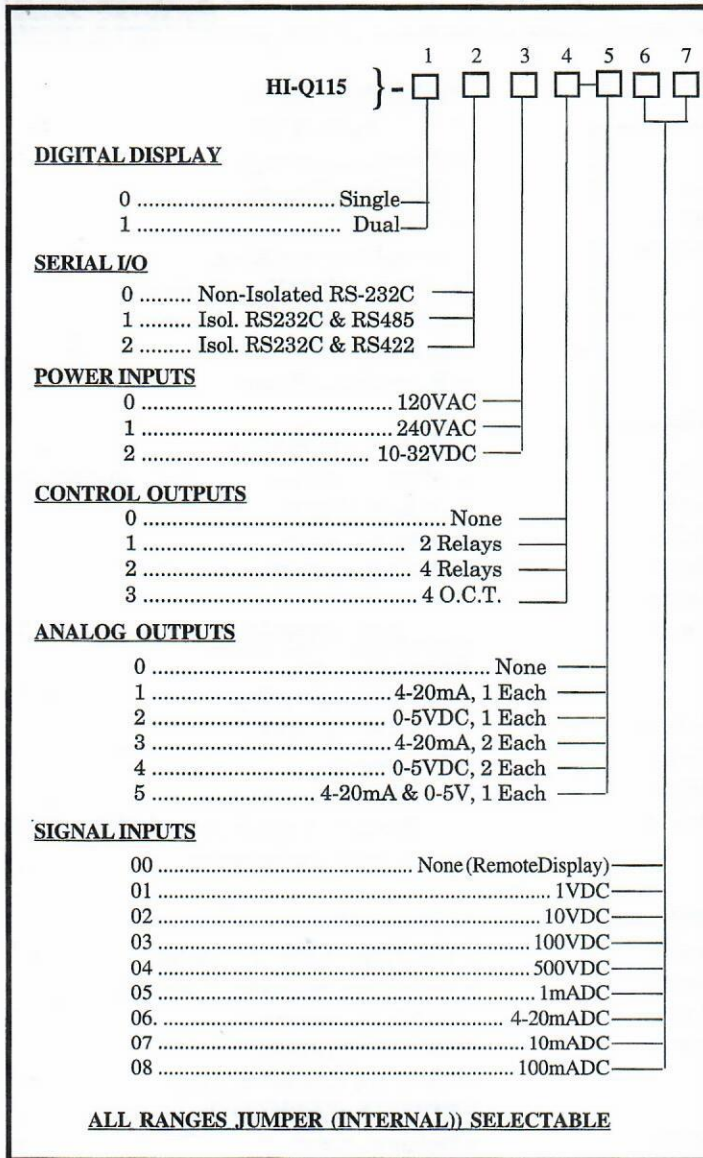
POWER REQUIREMENT:

- 120/240VAC, 50/60Hz
- 10-32VDC
- 10 Watts Maximum

Fax-Back#: (520) 748-1539 - - 0115

HI-Q115™ MECHANICAL & ORDERING INFORMATION

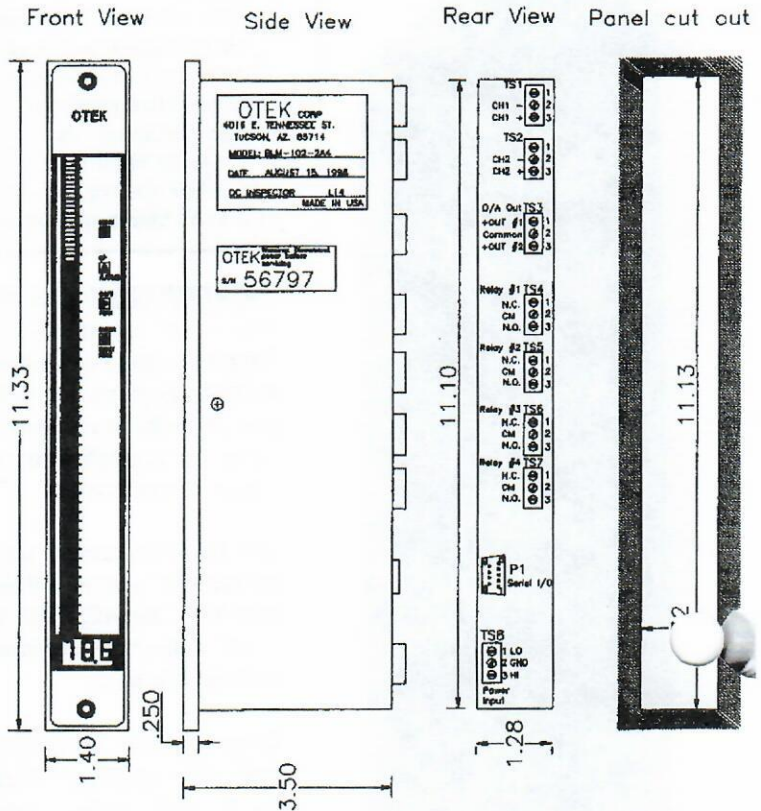
ORDERING INFORMATION (5/00)



- Control Outputs option #3 is not isolated from analog inputs.
- All prices subject to change without notice.
- Contact OTEK for availability of dual analog inputs, custom ranges and configurations.

MECHANICAL

Mechanical information and Terminal assignment.



Notes:

- Rear view shows terminal assignment, however, all terminals are included only on units that are ordered with all available options.
- Earth ground must be connected to insure complete protection against power transients.
- Push buttons are standard. Units without push buttons can be ordered as special items.
- All dimensions are +/- 0.015".

** All OTEK products are covered under a Limited Lifetime Warranty!
Contact OTEK for Your Custom Needs!!*

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