

**NOW
USB**

**SINGLE/DUAL AUTOMATIC TRICOLOR
BARGRAPH/CONTROLLER
WITH SERIAL I/O, ANALOG I/O & RELAYS**

**MODEL
HI-Q116**

NUCLEAR, SEISMIC & MIL-SPEC versions of the "HI-Q116" are available, including **NVG-3** (Night Vision 3rd Generation).
Contact OTEK For Specific Information

**• Replaces T.A. Bailey's "RY"
And Dixon's "BG101/202P"**

DESCRIPTION: The **HI-Q116** was specifically designed to replace (form & fit) the old electro-mechanical T.A. Bailey's "RY" and Dixon's BG101/202P with 21st Century Technology exclusive to **OTEK**, the originator of the Automatic Tricolor Bargraph P.I.C. (Programmable Intelligent Controllers). The only similarity is the panel cut out, mounting (rack) and bezel, (same edge connector on request) the rest is all OTEK's proven design with thousands of units installed from Outerspace (MIR & I.S.S. Stations) to Military, Petrochemical, Pharmaceutical, Transportation and other critical industries (all products have a **LIFETIME WARRANTY (LTD)**.)

The New "**HI-Q116**" is housed in an all metal case with standard 8" depth and plug-in screw terminal connectors for all I/O except the Serial "RS" has a "DB-9" Connector. It can be used as a remote display (serial input) for PLC, DCS, SCADA or Stand Alone, Compliance Output (To Power Transmitters), Power Inputs for 10-32VDC, 90-265VAC (5VDC on Request) are available.

The 51 Segment Bargraphs change color automatically upon reaching a programmable limit(s) and can be configured for dimming, blinking, pointers and off. The digital (4 digits) are color coded (red & green, yellow & blue optional) for ease of identification. The Math Functions (Floating Point Math) allow scientific calculations, such as Polynomials (9th), X-Y Tables (TC & RTD) and Flow Calculations.

New USB V2.0 Compatible:

The USB-232 converter plugs into the **DB9** connector and extends 1.25" on the rear. Has standard "Client" connector.

SPECIFICATIONS: See Pages C-D



(+ MORE)
FOR FOXBORO'S MODEL [257](#)
SEE OUR [HI-Q118](#)
FOR T.A. BAILEY'S "775" SE-
RIES SEE OUR [HI-Q117](#)

• Math Functions

+, -, X, √, ÷

**• 1, 2 or 3 Analog
Inputs (18 Bits)**

**• 1 or 2 Tricolor
Bargraphs & 4
Digit Displays**

**• Front Panel Replace-
able Filter & Scale**

**• Optional RFI/EMI
Shielding**

• All Metal Construction

**• Optional 30VDC
For Transmitters**

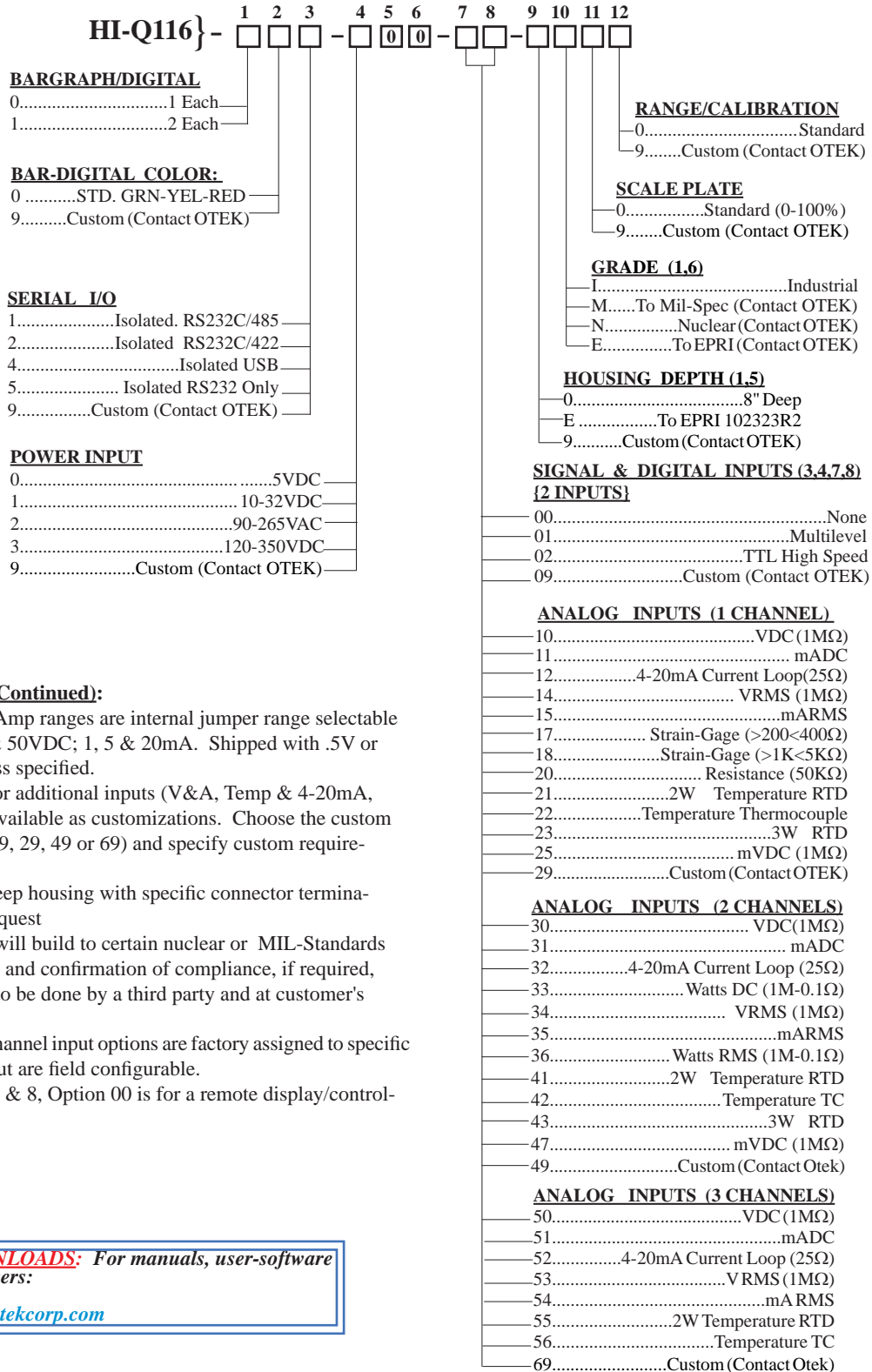
**• Isolated USB
RS232C/422/485**

**OTEK's Exclusive Windows Navigator G.U.I.
100% configuration within minutes without
lengthy Instruction Manuals (AND IT IS
FREE!)**

**• Standard 8" Deep/Optional 14.5" Deep for Direct Replacement
MAXIMUM POWER CONSUMPTION: 10 WATTS**

NOTES: Please READ BEFORE building part number:

1. If digit 10 is option E, then digit 9 must be option E.
2. See notes on bottom of page.



NOTES (Continued):

3. Volt & Amp ranges are internal jumper range selectable .5, 5, 10 & 50VDC; 1, 5 & 20mA. Shipped with .5V or 1mA unless specified.
4. Mixed or additional inputs (V&A, Temp & 4-20mA, Etc.) are available as customizations. Choose the custom number (09, 29, 49 or 69) and specify custom requirements.
5. 14.5" deep housing with specific connector termination on request
6. OTEK will build to certain nuclear or MIL-Standards but testing and confirmation of compliance, if required, will need to be done by a third party and at customer's expense.
7. Multi-channel input options are factory assigned to specific displays but are field configurable.
8. Digits 7 & 8, Option 00 is for a remote display/controller only.

DOWNLOADS: For manuals, user-software or drivers:
www.otekcorp.com

