

**NOW
USB**

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

**MODEL
HI-Q119**

NUCLEAR, SEISMIC & MIL-SPEC versions of the "**HI-Q119**" are available, including NVG-3 (Night Vision 3rd Generation). Contact OTEK For Specific Information

DESCRIPTION: The **HI-Q119** was specifically designed to replace (form & fit) the old electromechanical bargraphs 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 outer space (MIR & I.S.S. Stations) to military, petrochemical, pharmaceutical, transportation and other critical industries (all products have a **LIFETIME WARRANTY {LTD}**).

The New "**HI-Q119**" 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 with analog I/O, compliance output (to power transmitters), 6 Relays or 8 Open Collector Transistors (O.C.T.) 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 Order), 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.

**NEW SMD
BRIGHTER AND
SHARPER BAR-
GRAPH**

- Replaces Dixson's BB101/202PV, GE/Yokokawa: 180, Prime/Sigma/Int'l, Inst. 1151/1251
Westing House/Weschler: VX252/251 Any 6" from Crompton, A&M/Weston, Triplett, Takemoto, Bowmar, Nes, etc.



FOR FOXBORO'S MODEL 257
SEE OUR **HI-Q118**
FOR T.A. BAILEY'S "775" SERIES
SEE OUR **HI-Q117**
FOR T.A. BAILEY'S "RY" &
DIXSON'S BG101/202P SEE OUR
HI-Q116

- **Math Functions**
+, -, x, √, ÷
- **Polynomials, X-Y Tables**
- **1, 2 or 3 Analog Inputs (18 Bits)**
- **1 or 2 Tricolor Bargraphs & 1 or 2 Each 4 Digit (.3") Displays**
- **Optional Isolated Analog Outputs 4-20mA & 0-5VDC**
- **Optional 10A Relay Output (6) Or 8 O.C.T.**
- **Front Panel Replaceable Filter & Scale**
- **Front Panel Twist Lock Mounting**
- **Optional RFI/EMI Shielding**
- **All Metal Construction**
- **Optional 30VDC For Transmitters**
- **Isolated USB/RS232C/422/485 I/O**

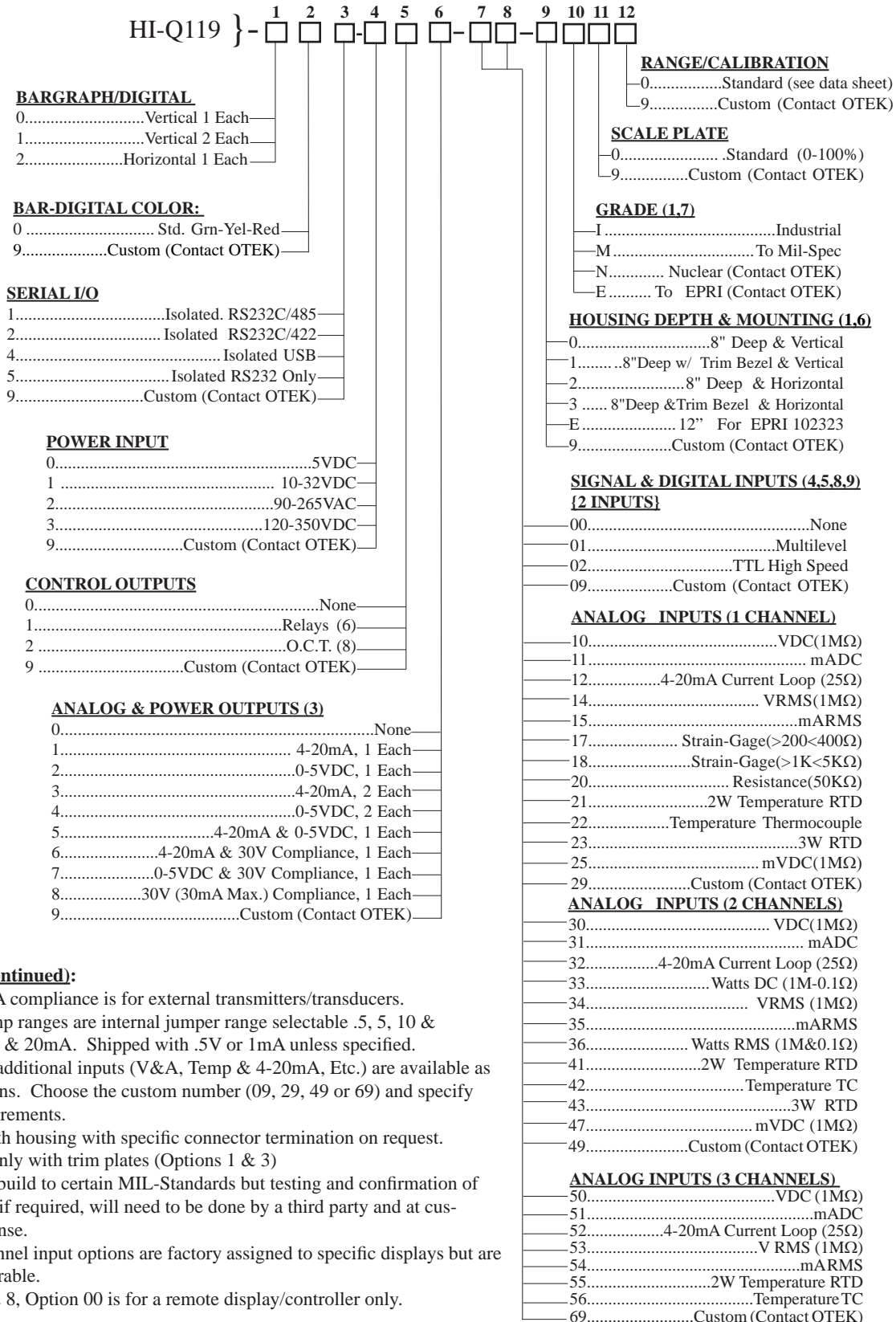
OTEK's Exclusive Windows Navigator G.U.I. 100% configuration within minutes without lengthy Instruction Manuals (AND IT IS FREE!)

- **Standard 8" Deep for Direct Replacement (Other Depths On Request)**
MAXIMUM POWER CONSUMPTION: 15 WATTS

HI-Q119™ ORDERING INFORMATION 4/16/13

NOTES: Please READ BEFORE building part number:

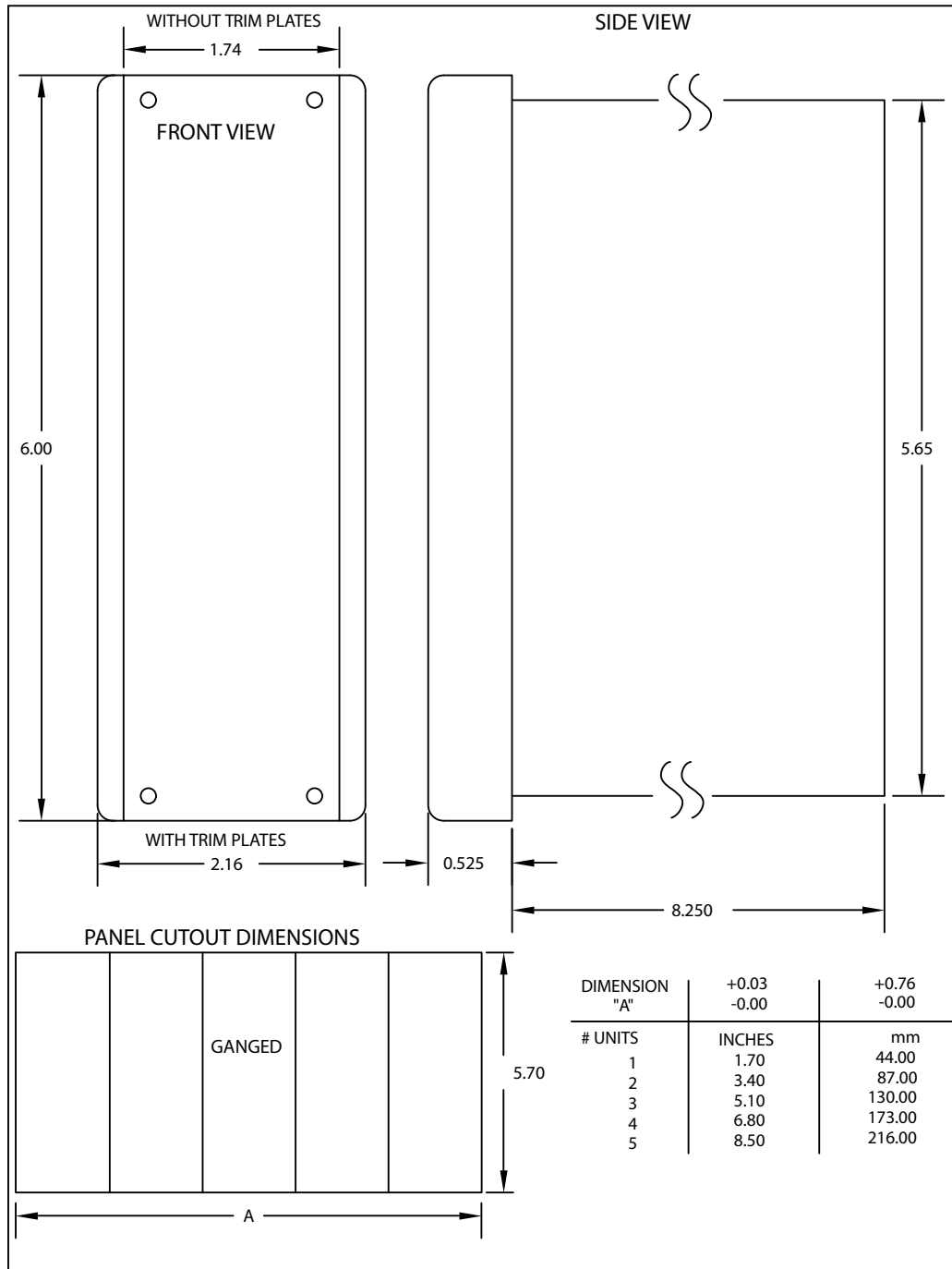
1. If digit 10 is option E, then digit 9 must be option E.
2. See notes on bottom of page.



NOTES (Continued):

3. 30V/30mA compliance is for external transmitters/transducers.
4. Volt & Amp ranges are internal jumper range selectable .5, 5, 10 & 50VDC; 1, 5 & 20mA. Shipped with .5V or 1mA unless specified.
5. 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.
6. Other depth housing with specific connector termination on request. NEMA 4X only with trim plates (Options 1 & 3)
7. Otek will build to certain MIL-Standards but testing and confirmation of compliance, if required, will need to be done by a third party and at customer's expense.
8. Multi-channel input options are factory assigned to specific displays but are field configurable.
9. Digits 7 & 8, Option 00 is for a remote display/controller only.

HI-Q119 TM MECHANICAL INFORMATION



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

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