STBI-3000A ILLUMINATOR

Ported Bi-Color, Direct Reading Water Gage Illuminator And Viewing Hood

The Steam-Trac STBI-3000A Illuminator matches long lasting LED lamps to a rugged fabricated enclosure to set an unsurpassed standard of reliability for bi-color water gage illumination. Each port has 4 each red and green LEDs to provide a brilliant display. To comply with ASME Section I, PG60, a ported gage must provide a means for obvious discrimination between steam and water. This requirement mandates a ported gage must have a working illuminator. By using LED lamps, the frequency maintenance associated with incandescent type lamps is virtually eliminated. When coupled with the Steam-Trac STB-3000A bi-color gage, users will experience a dramatic improvement in performance and extended maintenance cycles. The Steam-Trac bi-color gage and illumination system is field proven and has become the preferred product over competitive designs.

[Left] Side view showing the illuminator
[Right] Front view of viewing hood

ILLUMINATOR BACKLIGHTING

- Brilliant 4-cluster red and green LED lamps
- Low power consumption – reduces energy cost
- LED lifespan > 200 times that of incandescent bulbs – reduces maintenance
- Acrylic conformal coated LED board for environmental corrosion resistance

ILLUMINATOR POWER SUPPLY

- Watertight, weatherproof, and corrosion resistant enclosure
- Standard: for non-hazardous locations, NEMA 4X
- Optional: for hazardous locations, Cl. I, Div. 1, Groups B, C, & D, NEMA 4X and 8
- Easy removal – power leads disconnect is external of enclosure and illuminator housing

ILLUMINATOR AND VIEWING HOOD HOUSING

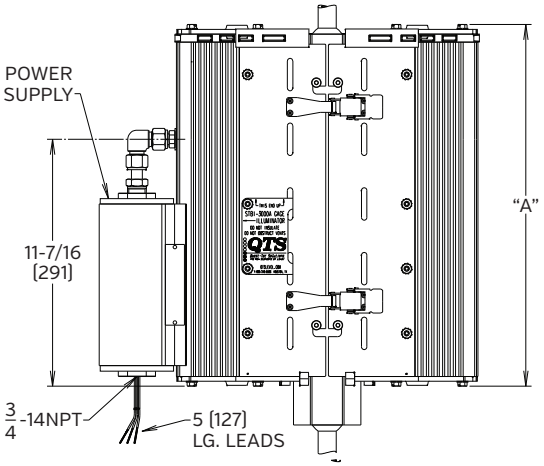
- Rugged, corrosion resistant, heavy-walled aluminum alloy extrusions
- High thermal conductivity for e icient heat outflow away from LEDs
- Vented aluminum alloy side panels and top caps
- Stainless steel prevailing-torque panel fasteners for thermal cycling loosening resistance

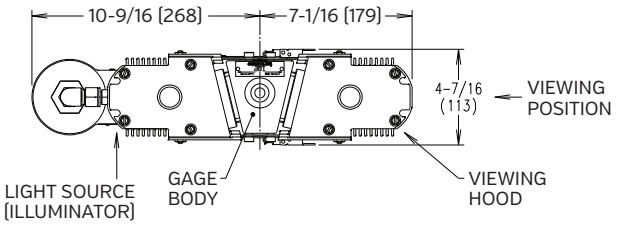
RELIABLE AND SECURE GAGE MOUNTING

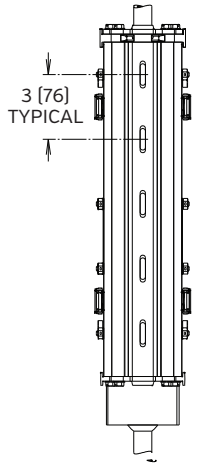
- Compact, easy to handle design
- Integral upper and lower guides maintain alignment and rigidity of side panels
- Headed J-hook gage mounting hangers are independent of housing latches and strikes
- Spring-loaded stainless steel latches with stainless steel strikes

ELECTRICAL SPECIFICATIONS	
Power Supply	84-264 VAC
Power Consumption	0.025 Amps/port
Power Supply Enclosure Classification	**Standard:** NEMA 4X
	Optional: Cl. I, Div. 1, Groups B, C, & D
LED Lifespan	Greater than 100,000 hours

Questtec SOLUTIONS







Illuminator Size		Dimensions	
Model No.	Ports	inches	mm
STBI-300A-04	4	13-3/4	349
STBI-300A-05	5	16-3/4	425
STBI-300A-06	6	19-3/4	502
STBI-300A-07	7	22-3/4	578
STBI-300A-08	8	25-3/4	654
STBI-300A-09	9	28-3/4	730
STBI-300A-10	10	31-3/4	806
STBI-300A-11	11	34-3/4	883
STBI-300A-12	12	37-3/4	959

Illuminator Size		Dimensions	
Model No.	Ports	inches	mm
STBI-300A-13	13	40-3/4	1035
STBI-300A-14	14	43-3/4	1111
STBI-300A-15	115	46-3/4	1187
STBI-300A-16	16	49-3/4	1264
STBI-300A-17	17	52-3/4	1340
STBI-300A-18	18	55-3/4	1416
STBI-300A-19	19	58-3/4	1492
STBI-300A-20	20	61-3/4	1568
STBI-300A-21	21	64-3/4	1645

Illuminator Size		Dimensions	
Model No.	Ports	inches	mm
STBI-300A-22	22	67-3/4	1721
STBI-300A-23	23	70-3/4	1797
STBI-300A-24	24	73-3/4	1873
STBI-300A-25	25	76-3/4	1949
STBI-300A-26	26	79-3/4	2026
STBI-300A-27	27	82-3/4	2102
STBI-300A-28	28	85-3/4	2178
STBI-300A-29	29	88-3/4	2254
STBI-300A-30	30	91-3/4	2330

STBI-3000A- ☐☐ – ☐☐ – ☐☐

NUMBER OF PORTS
03 THRU 30

OPTIONS

- H1 115 VAC, HAZARDOUS LOCATION CL.1, DIV.1 B/C/D
- H2 230 VAC, HAZARDOUS LOCATION CL.1, DIV.1 B/C/D
- BH FLAT BLACK VIEWING HOOD
- CG CLEAR GLASS IN VIEWING HOOD
- AP ARROW POINTER TO REFERENCE LEVEL POSITIONS (NWL, LWCO, ETC)
- PS PERCENTAGE SCALE (TYPICALLY 10% INCREMENTS)
- PN PERCENTAGE SCALE +/- FROM NWL

APPLICATON NOTES

(1) Flat black finish on viewing hood reduces glare from sunlight or surrounding ambient light

(2) Standard glass is frosted for light diffusion

(3) Frosted glass may be removed from hood housing for outdoor installations or select clear glass

(4) Standard power supply is auto switching 115 – 230 VAC

(5) Hazardous location is available in 115 VAC or 230 VAC

Tel: 281-240-0440
Fax: 281-240-2440

13960 S. Wayside
Houston, TX 77048
QuesttecSolutions.com