

RFQ and Purchase Order Specification Work Sheets

Section: R406.022
Date: 5-11-2020
Supersedes: 8-1-2018
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Eye-Hye SmartLevel



Please complete all information fields in this worksheet and submit with your RFQ (Request For Quote) or Purchase Order. The use of these worksheets has proven to greatly decrease Engineering time and virtually eliminate specification errors.

Reliance®

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Customer: _____

Contact Name: _____

Project Name: _____

E-mail: _____

Project Location: _____

Phone Number: _____

Date: _____

RFQ/P.O. Number: _____

REQUIRED INFORMATION

Design Pressure: _____

Design Temperature: _____

STEAM & WATER CONNS.

(3/4", 1", or 1 1/2" MSW Pipe Projection are standard)

Steam & Water Connections (other than standard –
specify size & type Req'd.):

Male Socket Weld
(Pipe Projection): _____

Female Socket Weld: _____

Flange Size: _____

Flange Class: _____

Flange Face: _____

Other (please specify): _____

DRAIN CONN.

(3/4" FSW is standard with LevelMax Column)

Drain Connection (other than standard – specify
size & type Req'd.):

Female Socket Weld: _____

Male Socket Weld
(Pipe Projection): _____

Flange Size: _____

Flange Class: _____

Flange Face: _____

Other (please specify): _____

Model Number	Probe Model	Max. System WSP			Max. Temp.	
		PSIG	BarG	Kg/cm²	°F	°C
EL450-10	T020	450	31	31.6	456	236
EL1000-10	V020	1000	69	70.3	545	285
EL1800-10	ZG020	1800	124.1	126.5	621	327
ELF3000-10	FG031	3000	206.9	210.8	695	368
ESB3000-10	FSB030	3000	206.9	210.8	695	368

Brazed probe option:: ZB Probe ☐ FB Probe ☐

WATER GAGE GLASS AND VALVES

Water Gage Valves: _____

Gage Glass Required: _____

Note: See applicable specification sheet for the required gage glass

WATER GAGE VALVE CONNS.

(3/4" FNPT Extensions are standard when required)

3/4"-300# R.F. Flange: ☐

3/4"-600# R.F. Flange: ☐

3/4"-900# R.F. Flange: ☐

Other (please specify): _____

OPTIONS REQUIRED

Vent connection (Specify
size & type):

Integral junction box: NEMA 4 ☐ NEMA 4X ☐

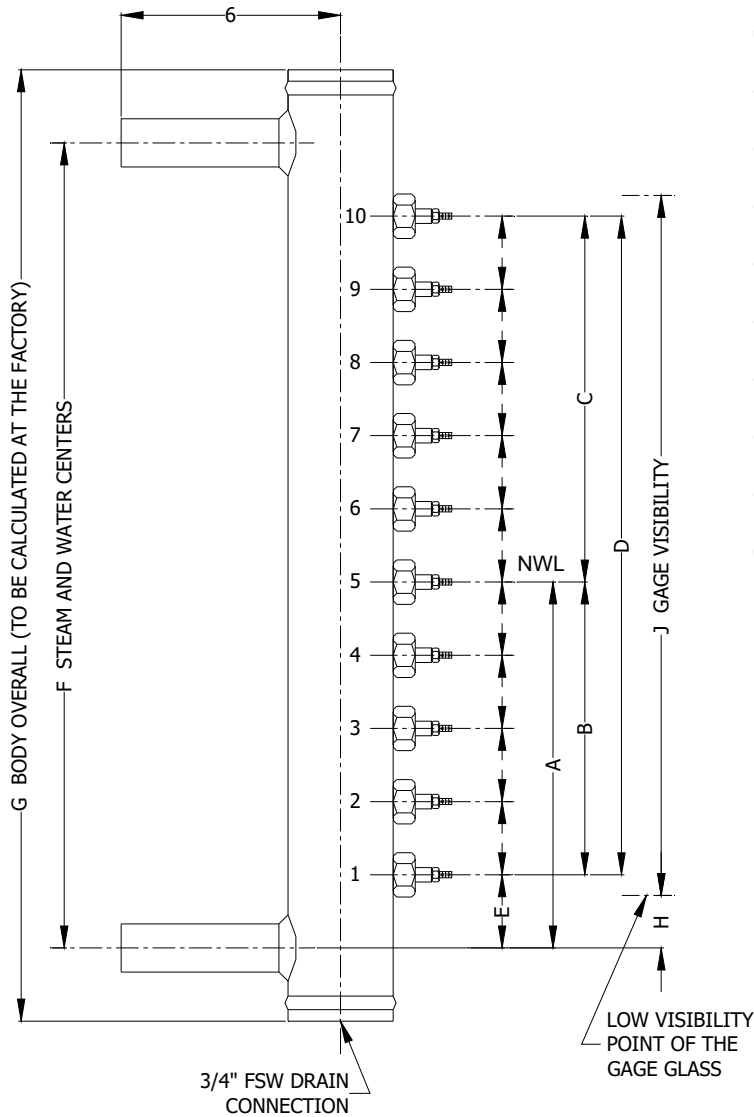
Additional probe wire
(specify length required):

FlexPak Insulation
Jacket: ☐

Other (please specify): _____

REQUIRED DIMENSIONAL INFORMATION

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A	
B	
C	
D	
E	
F	
G	----
H	
J	

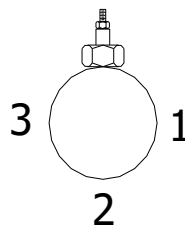
PROBE DISTANCE FROM NWL	
10	
9	
8	
7	
6	
5	
4	
3	
2	
1	

Note: This illustration shows Probe #5 as NWL. However, this location could vary depending on the application. Please signify NWL as "0" in the applicable box

For Gage Glass selection, see the following Order Specification Worksheets:
Prismatic Gage: R406.004
Flat Glass Gage: R406.005
P4000 Series Simpliport Gage: R406.006
P4100 Series Simpliport Gage: R406.007

DIMENSIONAL NOTES:

- 1) MINIMUM DISTANCE BETWEEN PROBES IS 1".
- 2) MINIMUM "E" DIMENSION IS 1".
- 3) MINIMUM DISTANCE BETWEEN TOP PROBE AND STEAM CONNECTION (UPPER CONNECTION) IS 1".
- 4) LOW VISION POINT CAN NOT BE LOWER THAN THE UPPER EDGE OF THE WATER CONNECTION.
- 5) HIGH VISION POINT CAN NOT BE HIGHER THAN THE LOWER EDGE OF THE STEAM CONNECTION.



Top View Orientation when Water Gage Valve connections are required

CONNECTION	LOCATION
S & W CONNS.	
W.G. VALVE #1	
W.G. VALVE #2	

Additional notes:

SmartLevel Control Unit and Indicator Selection Sheet

NOTE: Select numbers for all required fields (in YELLOW).

Control Unit

Number of level detection modules (= to the # of probes in the Electroleve Column)

Number of probes to be between 6 and 24

Enclosure Type:

- 1 = NEMA 4 Outdoor (IP66) - Standard Enclosure
- 2 = NEMA 4X Outdoor Stainless Steel (IP66)
- 3 = NEMA 4X Outdoor Stainless Steel (IP66) with full viewing window
- 4 = NEMA 4 Outdoor (IP66) with indicator view
- 5 = NEMA 4X Outdoor Stainless Steel (IP66) with indicator view
- 6 = NEMA 4 Outdoor (IP65) - Standard Enclosure: 13 - 24 probe models
- 7 = NEMA 4X Outdoor Stainless Steel (IP66): 13 - 24 probe models
- 8 = NEMA 4X Outdoor Stainless Steel (IP66) with full viewing window: 13 - 24 probe models
- 9 = NEMA 4 Outdoor (IP66) with indicator view: 13 - 24 probe models
- 10 = NEMA 4X Outdoor Stainless Steel (IP66) with indicator view: 13 - 24 probe models
- 11 = NEMA 7/4X Explosionproof and weatherproof
- 12 = NEMA 7/4X Explosionproof and weatherproof: 13 - 24 probe models

NOTE: Full viewing window is only available on NEMA 4X option



Power Supplies:

- 1 = Single Internal Power Supply for 120/240 VAC Power Sources (standard)
- 2 = Dual Internal Power Supply for 120/240 VAC Power Sources
- 3 = CE Kit with Single Internal Power Supply for 120/240 VAC Power Source
- 4 = CE Kit with Dual Internal Power Supply for 120/240 VAC Power Source

Relay Output Module:

- 0 = No additional modules (see note)
- 1 = One additional 6 channel Relay Module (not available when the 4-20mA card is selected)
- 2 = One 4-20mA Output Module (not available when option #1 is selected)
- 3 = Two additional 6 channel Relay Modules (only with 13 - 24 probe models)
- 4 = Three additional 6 channel Relay Modules (only with 13 - 24 probe models)
- 5 = One 4-20mA Output Module and one additional 6 channel Relay Module (only with 13 - 24 probe models)
- 6 = One 4-20mA Output Module and two additional 6 channel Relay Module (only with 13 - 24 probe models)
- 7 = One 4-20mA Output Module and three additional 6 channel Relay Module (only with 13 - 24 probe models)

NOTE: All control units come standard with one 6 channel relay module)

Intinsically Safe Barriers

- 0 = None
- 1 = Yes - for hazardous areas

Medium Indicator

- 0 = None
- 1 = One Medium Indicator for panel mounting
- 2 = Two Medium Indicators for panel mounting
- 3 = One Medium Indicator and one with a NEMA 4 Enclosure for local indication
- 4 = One Medium Indicator and one with a NEMA 4X S.S. Enclosure for local indication

Small Indicator

- 0 = None
- 1 = One Small Indicator for panel mounting
- 2 = One Small Indicator mounted on the enclosure door (not available with NEMA 7 Encl.)
- 3 = One Small Indicator with a NEMA 4 Enclosure for local indication
- 4 = One Small Indicator with a NEMA 4X S.S. Enclosure for local indication
- 5 = One Small Indicator with a NEMA 7 Explosionproof Enclosure for local indication

Special Options

- 0 = None
- S = Defined below (Must be specified on the Purchase Order)

Control Unit

Model No.: **RSC**

					0	0	0			
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Notes and Special Options:

Instructions: Blocks that are YELLOW require a selection to be made. If the selection is made and matches the correct selection sheet criteria, the block will turn GREEN.
Hit the TAB key to go to the next required field.
Save the sheet with a new file name when complete.