

RFQ and Purchase Order Specification Work Sheets

Section: R406.021
Date: 5-26-2020
Supersedes: 6/22/2018
Page 1

20 Probe 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®

A PRODUCT OF CLARK-RELIANCE

16633 Foltz Parkway • Strongsville, OH 44149 USA
Telephone: +1 (440) 572-1500
www.clark-reliance.com • RelianceAppEng@clark-reliance.com

Must accompany P.O with all fields
completed

Customer: _____ Contact Name: _____
 Project Name: _____ E-mail: _____
 Project Location: _____ Phone Number: _____
 Date: _____ RFQ/P.O. Number: _____

ELECTROLEV COLUMN REQUIRED INFORMATION

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.):

Design Pressure: _____

Design Temperature: _____

Model No.: _____

Male Socket Weld
(Pipe Projection): _____

Female Socket Weld: _____

Flange Size: _____

Flange Class: _____

Flange Face: _____

Other (please
specify): _____

Model Number	Probe Model	Max. System WSP			Max. Temp.	
		PSIG	BarG	Kg/cm ²	° F	° C
EL450-20	T020	450	31	31.6	456	236
EL1000-20	V020	1000	69	70.3	545	285
EL1800-20	ZG020	1800	124.1	126.5	621	327
ELF3000-20	FG031	3000	206.9	210.8	695	368
ESB3000-20	FSB030	3000	206.9	210.8	695	368

Brazed probe option:: ZB Probe FB Probe

DRAIN CONN.

(1/2" FSW is standard with Electrolev 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): _____

OPTIONS REQUIRED

Vent connection (Specify
size & type): _____

Integral junction box: NEMA 4 NEMA 4X

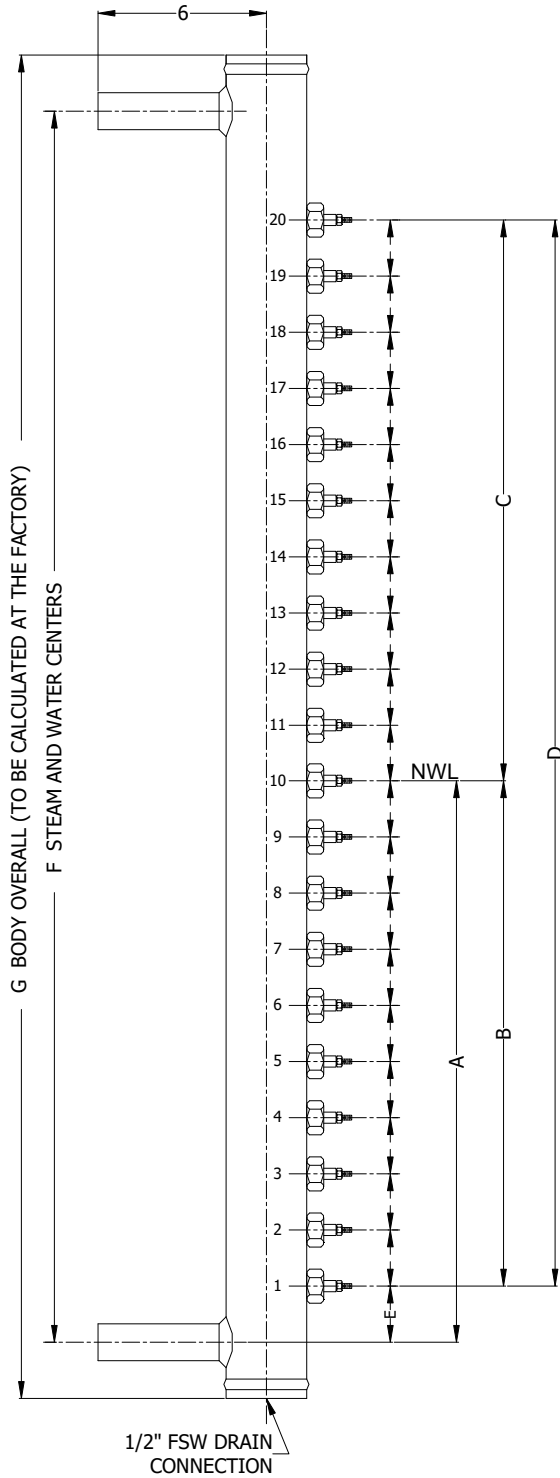
Additional probe wire
(specify length required): _____

FlexPak Insulation
Jacket:

Other (please specify): _____

REQUIRED DIMENSIONAL INFORMATION

Section: R406.021
Date: 5-26-2020
Supersedes: 6/22/2018
Page 3



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

PROBE DISTANCE FROM NWL			
10		20	
9		19	
8		18	
7		17	
6		16	
5		15	
4		14	
3		13	
2		12	
1		11	

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"

Note: This illustration shows Probe #10 as NWL. However, this location could vary depending on the application. Please signify NWL as "0" in the applicable box

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 Electrolev 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			
--	--	--	--	--	---	---	---	--	--	--

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.