

Sr. No.	Description	Qty (Nos.)
	TORQUE TYPE LEVEL TRANSMITTERS	
1	LT-TR300, Mounting Left hand, measuring range 24" (610 mm) Chamber top gauge connection (RF) 3" #300 Make i. KEISO Tokyo Japan. ii. Masoneilan USA. } <i>or equivalent</i>	3
2	LT-TR208S , Torque type level transmitter without chamber. Left hand mounting, measuring range 32" (813mm) Top Flange size: 3" #300 Make i. KEISO Tokyo Japan <i>or equivalent</i>	2
3	LT-TR205, Mounting Left hand, measuring range 48"(1219mm) Chamber top gauge connection (RF) 3" #300 Make i. KEISO Tokyo Japan. ii. Masoneilan USA.	1
4	Universal type Handheld HART communicator, Capable for all-field devices, Power supply: Rechargeable Nickel-Cadmium battery sealed pack, Batter Charger: 220/230 VAC, 50Hz, Microprocessor 32-bit Motorola Electromagnetic compatibility (EMC), CE mark must appear on both the keypad assembly and memory module. Display 13 lines, 128 by 128 pixels	1
5	Distilled water type Dead Weight tester Range: 0~15000 PSI Accuracy: $\pm 0.015\%$ Weight density: 7.8 g/cm^3 Piston material: Tungsten carbide with nickel, density 15 g/cm^3 with pressure CAL software	1

Specification for Temperature Switches

1. Quantity Required: 08 Nos.

Make: Trafag (Switzerland), *or equivalent*
Serial: Industat
Model No. 414.91-24-121-27-91-L3000-81
or equivalent

2. Explanation of Model:

414: Type
91: Micro switch Fixed switching Differential
24: Temperature Range +20~230 °C
121: Capillary dia 7mm, Sensor length 86mm,
material Stainless Steel
27: Fixing for remote sensing version
91: Flexible metal tube for Capillary
L3000: Capillary tube Length 3000 mm
81: Capillary Locking nut assembly G3/8"

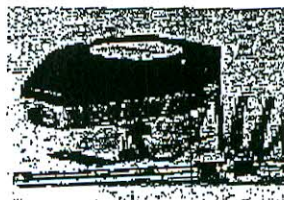
Out put: Floating change-over contact
Switching differential: Fixed (8.0 °C)
Repeatability Sensor: ± 0.5 % FS Type
Stability: ± 1.0 % FS Type
Scale: ± 2.0 % FS Type
Housing: ALSi9Cu3, Coated
Cable Gland: M20x1.5/WS22
Terminal Screw: 3x2.5 mm²
Protection Class: IP-65
Type of Protection: EExd IIC T6

3. Detail along with quotation:

- i. Thermo well is not required
- ii. Armored Capillary tube is required
- iii. Armored Material SS316
- iv. Technical Literature In English is required
- v. C&F value should be mentioned In quotation.
- vi. Quotation will be rejected without technical literature.

4. Detail along with supply:

- i. All wetted part must compliance with NACE MR-01-03
- ii. Technical literature, maintenance & installation manuals are required in English.
- iii. Recommended maintenance schedule [Preventive (PM), Predictive (PDM,)] by vendor in English is required.
- iv. Warranty Certificate is required.



Specification for Temperature Switches

1. Quantity Required: 02 Nos.

Make: Trafag (Switzerland) *or equivalent.*
Serial: Industat
Model No. 414.91-07-121-27-91-L3000-81

2. Explanation of Model:

414: Type
91: Micro switch Fixed switching Differential
07: Temperature Range -10~25 °C
121: Capillary dia 7mm, length 86mm, material Stainless Steel
27: Fixing for remote sensing version
91: Flexible metal tube for Capillary
L3000: Capillary tube Length 3000 mm
81: Capillary Locking nut assembly G3/8"

Out put: Floating change-over contact
Switching differential: Fixed (8.0 °C)
Repeatability Sensor: ± 0.5 % FS Type
Stability: ± 1.0 % FS Type
Scale: ± 2.0 % FS Type
Housing: ALSI9Cu3, Coated
Cable Gland: M20x1.5/WS22
Terminal Screw: 3x2.5 mm²
Protection Class: IP-65
Type of Protection: EExd IIC T6

3. Detail along with quotation:

- i. Thermo well is not required
- ii. Armored Capillary tube is required
- iii. Armored Material SS316
- iv. Technical Literature in English is required
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- iv. Warranty Certificate is required.

