

HAYAN PETROLEUM COMPANY		شركة حيان للنفط
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Enquiry No: MWR: 016/INS/FIELD /26

Pressure and Temperature indicators for wells flow lines

Item	Description	Qty.	Unit Price NSP	Total Price NSP
1	Pressure indicator Scale range:0-160 Bar Design Temperature :-10:85 C Fluid :HC (Vapour +Liquid) Process connection : ½" NPT(M) Pressure element: Burdon Tube D. dimension 150mm Filled with glycerine Pres. Element Material:SS316 Connection positioned: Bottom Connection Material:SS316 pointer Material:SS316 Blow out protection :Required Over pressure Limit:130% Windows :shatterproof glass Micrometre Adjustment :Required Nominal Accuracy :+/- 1% of range Ingress Protection Class :IP65 Mounting: direct Zero Adjustment : Required Remark :CE Marking Required Trade mark : WIKA .	60		
2	Temperature indicator Scale range:0-60 C ° Design Temperature :-10:85 C ° Fluid :HC (Vapour +Liquid) Fitting connection : ½" NPT(M) Pressure element: Bimetal helix D. dimension 150mm , 6" Case material : SS304 Stem Material:SS316 Connection Material:SS316 pointer Material: Aluminium Dial material : Aluminium Total stem length 250 mm Stem Type : fixed Micrometre Adjustment :Required Nominal Accuracy :+/- 1% of range Ingress Protection Class :IP65 Windows :shatterproof glass Mounting: direct Zero Adjustment : Required Remark :CE Marking Required Trade mark : WIKA .	2		

3	Temperature indicator Scale range:0-60 C ° Design Temperature :-10:85 C ° Fluid :HC (Vapour +Liquid) Fitting connection : ½" NPT(M) Pressure element: Bimetal helix D. dimension 150mm , 6" Case material : SS304 Stem Material:SS316 Connection Material:SS316 pointer Material: Aluminium Dial material : Aluminium Total stem length 350 mm Stem Type : fixed Micrometre Adjustment :Required Nominal Accuracy :+/- 1% of range Ingress Protection Class :IP65 Windows :shatterproof glass Mounting: direct Zero Adjustment : Required Remark :CE Marking Required Trade mark : WIKA .	8		
4	Temperature indicator Scale range:0-60 C ° Design Temperature :-10:85 C ° Fluid :HC (Vapour +Liquid) Fitting connection : ½" NPT(M) Pressure element: Bimetal helix D. dimension 150mm , 6" Case material : SS304 Stem Material:SS316 Connection Material:SS316 pointer Material: Aluminium Dial material : Aluminium Total stem length 300 mm Stem Type : fixed Micrometre Adjustment :Required Nominal Accuracy :+/- 1% of range Ingress Protection Class :IP65 Windows :shatterproof glass Mounting: direct Zero Adjustment : Required Remark :CE Marking Required Trade mark : WIKA .	4		



5	Temperature indicator Scale range:0-60 C Design Temperature :-10:85 C Fluid :HC (Vapour +Liquid) Fitting connection : ½" NPT(M) Pressure element: Bimetal helix D. dimension 150mm , 6" Case material : SS304 Stem Material:SS316 Connection Material:SS316 pointer Material: Aluminium Dial material : Aluminium Total stem length 450 mm Stem Type : fixed Micrometre Adjustment :Required Nominal Accuracy :+/- 1% of range Ingress Protection Class :IP65 Windows :shatterproof glass Mounting: direct Zero Adjustment : Required Remark :CE Marking Required Trade mark : WIKA .	4		
6	Digital reference Pressure Gauge with internal battery Pressure Range: -14 to 10,000 psi (-0.97 to 690 bar) Design Temperature: -10 °C to +55 °C Accuracy: ±0.05% of full-scale (0.04% for reference class) Resolution: 1 psi, 0.01 bar Burst Pressure: 20,000 psi (1,380 bar) Pressure Connection: 1/4 in. NPT Male Media Compatibility: 316 Stainless Steel Display: 5-1/2 digits with a 20-segment bar graph Power: Three (3) AA batteries; 1,500 hours without backlight, 2,000 hours at slow sample rate Environmental Rating: IP67 Data logging: Up to 8,493 records Safety Ratings: CSA; Class 1, Div 2, Groups A-D; ATEX II 3 G Ex nA IIB T6 Complete with plastic case and L.A.T certificate Remark :CE Marking Required Trade mark : FLUKE .	1		
7	Damper for pressure gauges Model : Adjustable Body: 316 stainless steel Gaskets and seals: FPM Operating temperature: Max. 180 ° C Operating pressure :Max. 400 bar Instrument connection : ½" BSP - F Process connection : ½" BSP - M	100		
8	Valve manifold two way in a single block with male and female screwed inlet and outlet ports ,combining an isolate needle valve and vent needle valve Material : SS316 Operating pressure :Max. 600 bar Trade mark : ASHCROFT or equivalent	50		

9	Temperature indicator Scale range:0-60 C Design Temperature :-10:85 C Fluid :HC (Vapour +Liquid) Fitting connection : ½" NPT(M) Pressure element: Bimetal helix D. dimension 150mm , 6" Case material : SS304 Stem Material:SS316 Connection Material:SS316 pointer Material: Aluminium Dial material : Aluminium Total stem length 90 mm Stem Type : fixed Micrometre Adjustment :Required Nominal Accuracy :+/- 1% of range Ingress Protection Class :IP65 Windows :shatterproof glass Mounting: direct Zero Adjustment : Required Remark :CE Marking Required Trade mark : WIKA .	2		
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GENERAL NOTE: In case that during tendering, in spite of stated model number and belonging attachment, some bidder would be still in doubt or wouldn't have enough technical data about particular item it's strongly recommended to ask for additional clarification.

