

## DC-3510F INSERTION SERIES WATERCUT MONITOR



### FLOW

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used commonly for medium to high volume crude oil, condensate or refined petroleum applications with flow rates above 200 m<sup>3</sup>/day

### PIPELINE

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suitable for pipelines or systems of 3" diameter and greater with vertical or horizontal mounting perpendicular to or parallel with the flow direction

### CONNECTION

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available in 1 1/2" NPT or 2" to 8", 150 - 1500# ANSI flanges on a straight-run pipe nozzle or a 90° elbow

### FEATURING

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non-welded construction and durable probe design available in a variety of lengths, the insertion style probe offers maximum sampling of the fluid stream

## DC-1510 SPECIFICATIONS & DIMENSIONS

### GENERAL

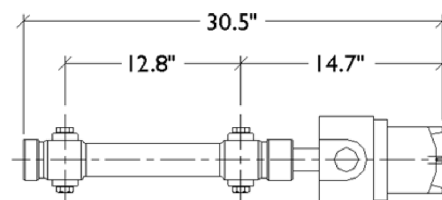
Operating Principal:	advanced digital capacitance
Water in Oil Range:	0 to 50% standard (50 to 80% optional)
Resolution:	0.001%
Repeatability:	up to 0.01%
Precision/Accuracy:	up to 0.01%
Temp. Variation:	compensated
Temp. Stability:	0.0015% water/°C
Temp. Comp. Range:	0°C to 260°C

### MECHANICAL

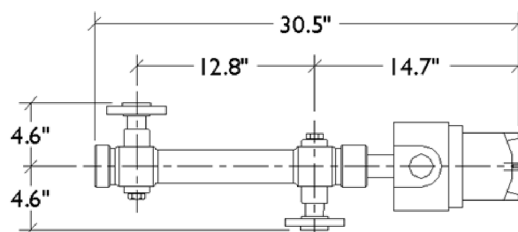
Wetted Parts:	316SS standard (Monel 400, Inconel 625 & Duplex 2205 optional)
O-ring Material:	Viton A standard (Nitrile & PTFE optional)
Max. Fluid Temp.:	135°C standard (260°C optional)
Max. Ambient Temp.:	85°C
Transmitter Mounting:	integral with sensor
Corrosion Protection:	NACE MR-0175/ ISO 15156 2009 sour service compliant
Hazardous Area Class:	CSA Class I, Div. I, Gr. C&D (North America) Ex II 2G, EEx d IIB T4, Zone I (Europe)
Ingress Protection:	IP66 compliant
ABSA CRN:	0H10883.2

### ELECTRICAL

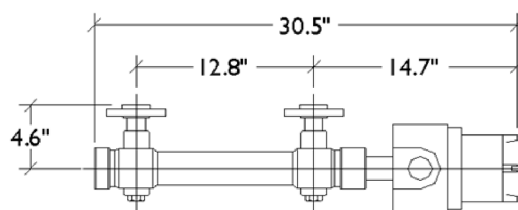
Power Supply:	24 VDC @ 150mA floating
Electrical Connections:	1 x M20, 1 x 1" NPT & 1 x 3/4" NPT
Humidity Protection:	conformal coated CB
Analog:	4-20mA DC, isolated, self-powered
RS-232:	9600 baud, max. 100m
RS-485:	9600 baud, max. 1500m
Maximum Load:	600 ohm load to control room
Isolation Voltage:	500 volts peak
Relay Contacts:	SPST-NO 2A @ 24 VDC non-inductive
Adjustable Delay:	one second increments



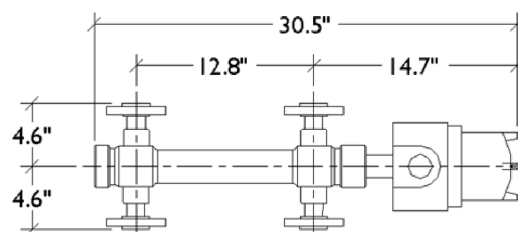
DC-1510 "NPT" STYLE



DC-1510F "Z" STYLE



DC-1510F "U" STYLE



DC-1510F "H" STYLE

(All dimensions for reference only)