## DC-3510F INSERTION SERIES WATERCUT MONITOR

### FLOW

- Used commonly for medium to high volume crude oil, condensate or refined petroleum applications with flow rates above 200 m³/day

### PIPELINE

- Suitable for pipelines or systems of 3” diameter and greater with vertical or horizontal mounting perpendicular to or parallel with the flow direction

### CONNECTION

- Available in 1 ½” NPT or 2” to 8”, 150 - 1500# ANSI flanges on a straight-run pipe nozzle or a 90° elbow

### FEATURING

- 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-3510F 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 1, Div.1, Gr. C&D
(North America)
Ex II 2G, EEx d IIB T 4, Zone1
(Europe)
Ingress Protection: IP66 compliant
ABSA CRN: 0H11178.2

ELECTRICAL
Power Supply: 24 VDC @ 150mA floating
Electrical Connections: 1 x M20, 1 x 1” NPT &
1 x ¾” 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

(All dimensions for reference only)