DC-1510 IN-LINE SERIES WATERCUT MONITOR

FLOW

ideal for low volume crude oil, condensate or refined petroleum applications with flow rates ranging from 25 to 200 m$^3$/day

PIPELINE

suitable for ¾” to 2” diameter piping systems and sample or by-pass loops with vertical or horizontal mounting and flow in either direction

CONNECTION

process and service ports are available in ¾” or 1” NPT and 1” or 2”, 150 – 1500# ANSI lap joint flanges for ease of installation

FEATURING

enhanced flow control through the measurement cell, integrated sampling ports and non-welded construction for optimum quality
DC-1510 SPECIFICATIONS & DIMENSIONS

GENERAL
Operating Principal: advanced digital capacitance
Water in Oil Range: 0 to 50% standard
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
O-ring Material: Viton A standard
Max. Fluid Temp.: 135 °C standard
Max. Ambient Temp.: 85 °C
Transmitter Mounting: integral with sensor
Corrosion Protection: NACE MR-0175/
Hazardous Area Class: CSA Class 1, Div.1, Gr. C&D
Ingress Protection: IP66 compliant
ABSA CRN: 0H10883.2

ELECTRICAL
Power Supply: 24 VDC @ 150mA floating
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)