PROBE LENGTH (MAX 450)

MAX MEASUREMENT LENGTH

14.50
3.00
12.00
3.00

Ø 4.00 BLEED HOLE TO BE KEPT CLEAR

A

R4.50
Ø 4.20
23.00
Ø 31.50

Ø 12.00

DETAIL A
SCALE 2 : 1

4.00
2.10
Ø 17.30
Ø 19.80
10.00

WIRE	DESIGNATION	SPEC
RED	V+ POWER	6 - 30VDC
BLACK	GROUND	0VDC
YELLOW	SIGNAL	0 - 5V ANALOG
*WHITE	COMMS	Tx
*GREEN	COMMS	Rx
**BLUE	CAN Hi / SWITCH	REQUEST CAN SPEC
**PURPLE	CAN Lo	REQUEST CAN SPEC
*NOT REQUIRED FOR ON VEHICLE USE		
**FITTED FOR EXTENDED OUTPUT SPECIFICATIONS ONLY		

SENSOR TO BE SUPPLIED TO CUSTOMER SPECIFIED LENGTHS, PLEASE CONTACT REVENTEC FOR SENSORS ABOVE 450mm
ALL UNITS ARE CALIBRATED AT THE FACTORY IN CUSTOMER SPECIFIED FLUID TO ENSURE OPTIMUM PERFORMANCE.
ENSURE SENSOR IS KEPT MINIMUM OF 3MM FROM THE BASE OF THE TANK.

IF USING THE RADIAL SEAL, USE AN ID17.00 X 1.50mm FKM O-RING AND ENSURE TANK APERTURE IS 20.00mm±0.05MM

CABLE TO BE 500mm FROM CABLE EXIT AS STANDARD.
CABLE TO BE 5 CORE CABLE SLEEVED IN FEP JACKET FOR ANALOG OUTPUT CONFIGURATIONS.
CABLE TO BE 7 CORE CABLE SLEEVE D IN FEP JACKET FOR CAN OUTPUT AND SWITCHED OUTPUT CONFIGURATIONS.
SEE TABLE ABOVE FOR WIRE DESIGNATIONS.

STANDARD CALIBRATION IS 0.25V EMPTY TO 4.75V FULL.
OUTPUT CAN BE CONFIGURED USING THE REVENTEC LEVEL SENSOR GUI VIA FTDI COMMS MODULE, AVAILABLE ON REQUEST.

THE STANDARD ELECTRONICS PLATFORM IS RATED TO 125DEGC, 150DEGC ELECTRONICS AVAILABLE ON REQUEST.
DESIGN SUITABLE FOR 2BAR DIFFERENTIAL TANK PRESSURE, INCREASED PRESSURE RATINGS AVAILABLE.
IT IS RECOMMENDED THAT ALL SENSORS OVER 300mm ARE SUPPORTED AT THE PROBE END TO PREVENT PART FATIGUE.
ON GOING MAINTENANCE SHOULD BE IN ACCORDANCE WITH REVENTEC LEVEL SENSOR USER GUIDE V1.5 OR LATER.
SUPPLIED SOLELY IN ACCORDANCE WITH REVENTEC LIMITED TERMS AND CONDITIONS.

SPECIFICATION	EXAMPLE	CUSTOMER SELECTION
PROBE LENGTH	80 - 450mm	
LIQUID TYPE	FUEL/OIL GRADE / OTHER	
MAX TEMPERATURE	125DEGC / 150DEGC	
SENSOR OUTPUT	ANALOG/ CAN/ SWITCHED / COMBINATION	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES:
LINEAR: ±0.1
ANGULAR: ±0.1

FINISH:
ANODISED RED

DEBUR AND
BREAK SHARP
EDGES

REVISION ISSUE	DESCRIPTION	DATE	APPROVED
01	FIRST RELEASE	17.05.19	NJM

	NAME	SIGNATURE	DATE
DRAWN	JB		17.05.19
CHK'D	JL		17.05.19
APPV'D	NM		17.05.19
MFG			
Q.A			

THIRD ANGLE

TITLE:

LS100 CAPACITIVE LEVEL SENSOR

MATERIAL:
AL 6061 T6

DWG NO.
LS100

A3

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Supply subject to Reventec Ltd Terms and Conditions

WEIGHT:

SCALE: 1:1

SHEET 1 OF 1