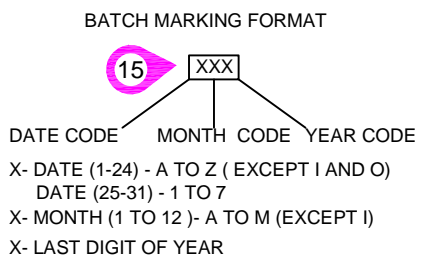
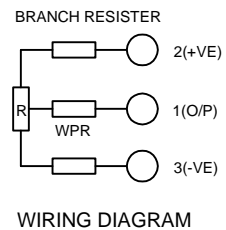
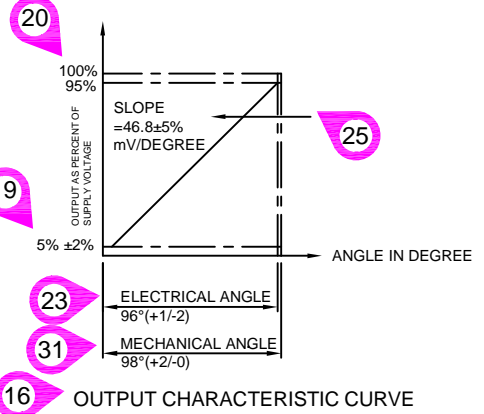
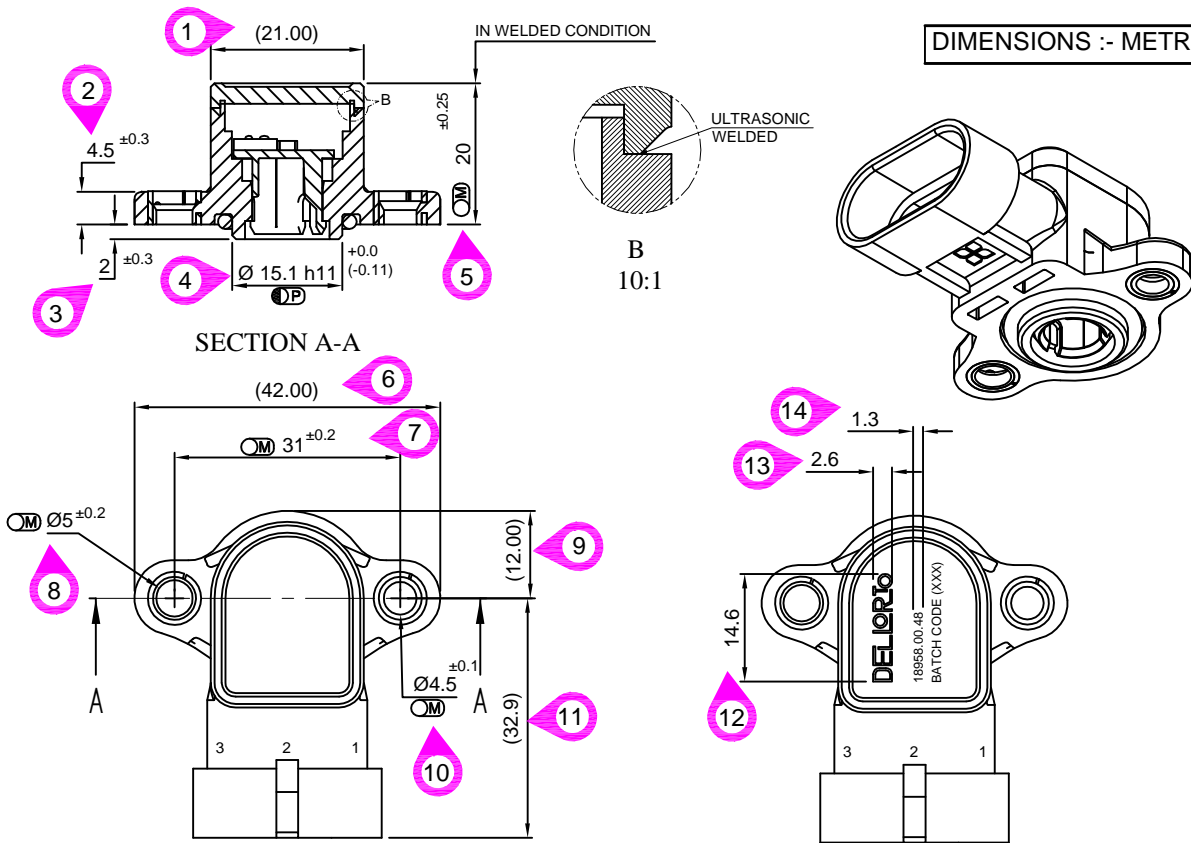


DIMENSIONS :- METRIC (INCH)



ELECTRICAL CHARACTERISTICS	UNITS	VALUE
RESISTANCE ELEMENT...	--	CONDUCTIVE PLASTIC
RESISTANCE VALUE...	Ohms	2K ± 30% 17
WIPER PROTECTION RESISTANCE	Ohms	900 ± 30% 18
BRANCH RESISTER	Ohms	100 ± 5% 19
INPUT SUPPLY VOLTAGE TYPICAL	VDC	5 20
INPUT SUPPLY VOLTAGE MAX. FOR 10S	VDC	18 21
ABSOLUTE LINEARITY TOLERANCE	± %	2 22
ELECTRICAL FUNCTIONAL ANGLE	DEGREE	96(+1/-2) 23
POWER RATING AT 70° C	WATTS	0.5 24
NOMINAL SLOPE	MV/DEGREE	46.8 25
MAXIMUM WIPER CURRENT	mA	1 26
SHORT TIME WIPER CURRENT FOR 10S	mA	10 27
REPEATABILITY	--	BETTER THAN 0.5% 28
HYSTERESIS	mV	<25 29
RESISTANCE NOISE	Ohm	<300 30

MECHANICAL CHARACTERISTICS :-		
MECHANICAL ANGLE	DEGREE	98 (+2/-0) 31
ROTATIONAL LIFE (FULL/HALF)	CYCLE	2.5 Million 32
ROTATIONAL LIFE (DITHER)	CYCLE	15 Million 33
NO OF MOUNTING	--	2 34

ENVIRONMENTAL CHARACTERISTICS :-		
OPERATING TEMPERATURE...	DEGREES C	- 40°C to 130°C 35
PROTECTION CLASS WHEN MOUNTED ON THROTTLE BODY	--	IP 69 36

MATERIALS OF CONSTRUCTION:-		
HOUSING...	--	PA66 GF 35% 37
ROTOR	--	PA66 GF 35% 38
CAP	--	PA66 GF 35% 39
TERMINALS...	--	BRASS TIN PLATTING 40

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TOLERANCES
DIN-ISO 2768-1 (1991-06)
(TOLERANCE CLASS-MEDIUM)

SCALE:- 2:1

UAPL PART NO
199204

TPS Z12

CUSTOMER PART NO :18958.00.48

CUSTOMER : STANDARD

REV - 00

SHEET 1 of 2

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