



**Topgrip
Instruments Company**

IoT based ATD Displacement Measuring System on X-Y Axis



We are
IATF 16949:2016, AS9100D, D-U-N-S & ISO Certified Company



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DESCRIPTION	SPECIFICATION
DETAILS OF DATA LOGGER AND IOT DEVICE	
DATA LOGGER	<ul style="list-style-type: none"> HIGH SPEED PROCESSOR AND LONG DATA STORAGE, IP-67
TELE-METRY	<ul style="list-style-type: none"> M2M E-SIM ESTABLISH PROTOCOL THROUGH MQTT PLATFORM IP ADDRESS (1883, 1884)
DATA/MEASUREMENT LOGGING FREQUENCY	<ul style="list-style-type: none"> CONFIGURE FROM 30 MIN TO 1 HOURS (TIME WILL SET AS PER NEED) REPORT GENERATING ON CSV & PDF FORMAT REPORT GENERATE - DAILY, WEEKLY, MONTHLY
WIRELESS COMMUNICATION SYSTEM	<ul style="list-style-type: none"> COMMUNICATION ON CLOUD GSM 2G/3G/4G/5G (WI-FI, BLUETOOTH, USB IS INTEGRATED) GPRS DATA DOWNLINK TRANSFER -85.6 KBPS MAX. GPRS DATA UPLINK TRANSFER -42.8 KBPS MAX. DATA LOGGING - SQL SOFTWARE FOR PC OBSERVATION/INTERPRETATION CUSTOMIZE GUI SOFTWARE
ALARM	<ul style="list-style-type: none"> ABRUPT CHANGE X DISTANCE ABRUPT CHANGE Y DISTANCE OHE PARTING ATD COUNTER WEIGHT LOCKED
DISPLACEMENT SENSOR	<ul style="list-style-type: none"> PRECISE DATA MEASUREMENT IN X AND Y AXIS X AND Y AXIS MEASURING RANGE 500 TO 2000 MM CAN BE INCREASED ACCURACY : ± 0.5 MM IP 67 CLASS RATING WORKING IN ANY WEATHER CONDITIONS HIGH RESOLUTION AND LINEARITY MEASURING RATE : 02 TO 150 KHZ. LINEARITY : ≤ ±0.03% FSO
TEMPERATURE SENSOR	<ul style="list-style-type: none"> TYPE : PT-100 ACCURACY : CLASS - A TEMPERATURE RANGE : - 500 TO + 4000 C MOC : SS-304 INSULATION :COMPACTED MGO INSULATION CABLE : 1 MTR.
BATTERY	<ul style="list-style-type: none"> VOLTAGE : 12 VOLT CAPACITY : 2.9 AH
SOLAR SYSTEM	<ul style="list-style-type: none"> VOLTAGE : 18 V CAPACITY : 20 WATT
LOGGER ENCLOSURE	<ul style="list-style-type: none"> MOC : SS-304, 16SWG Sheet, Fine Workmanship Complied IP-69 Sufficient Space for PCB, Battery & Charger

CONTACT

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