



AJAY SENSORS & INSTRUMENTS

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COMPANY PROFILE

Backed up by Mr. *M.V. Vrishabhendra*, Founder & Chief Executive (having experience of over 35 years in the field of Instrumentation & Electronics), Ajay Sensors & Instruments is aimed at delivering quality products to the industry.

Ajay Sensors & Instruments established in the year 1992, is manned by experienced professionals and primarily engaged in manufacturing activities related to *SENSORS, SIGNAL CONDITIONERS & CONTROLLERS* for the measurement of the following

Pressure Transducers & Transmitters (Absolute, Gauge & Differential) : From very low pressure 10 mm WC to very high pressure 1200 bar.

Melt Pressure Transducers : For plastic process industries.

Specialized Temperature Sensors & Transmitters (RTD, Thermocouples & Thermistors) : Temperature measurements ranging from cryogenic (-) 180°C applications to very high temperature like 1800°C.

Humidity Sensors & Transmitters : For Industrial, Chemical, Petro-chemical, Air Conditioning (HVAC) Green House and for high temperature ovens. Designed specifically for operating under 100% Rh wettable to operating temperatures up to 200° C.

Flow Sensors & Transmitters : Turbine type, Vane type for liquid media and Thermal mass flow controllers for gas media.

Load Cells & Torque Sensors with Transmitters : For applications in Weigh Bridges, Universal Testing Machines and Platform Scales










High Speed Data Acquisition System : Micro controller based Process Controller & Indicators with interface to PC and sub-systems.

We have been catering products to various Defence applications and also to process industries.

To name a few of our achievements like :

- Strain measurement on Satellite structures for Department of Space.
- Mask Leak Testers for military applications.
- Load measurement for **BARC**.
- Pressure Transducers for Flight applications.
- Indigenously developed temperature & Pressure switch for **LCA** project.
- Level Sensor indigenously developed for unmanned aircrafts.
- Measurement of exhaust gas temperatures in aircraft engines & strain measurement on Boosters at elevated temperatures.
- Cryo temperature measurement at **Indian Institute of Science**.
- Bio medical instrumentation.










LIST OF PRODUCTS

SL. No.	MODEL	CAPACITY	FEATURES	PHOTO
01	LC 201	5, 10, 20, 50, 75, 100 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
02	LC 204	0.5, 1, 2, 3, 5, 10, 20, 30 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ ALUMINUM / STEEL 	
03	LC 205	0.02, 0.05, 1, 2, 3, 5 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
04	LC 207	1, 5, 10, 20 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION / TENSION ✓ STEEL 	
05	LC 301	100, 150, 200, 250, 300, 500, 1000, 2000, 5000 Kgf	<ul style="list-style-type: none"> ✓ COMPRESSION / TENSION ✓ ALUMINUM / STEEL 	
06	LC 302	5, 10, 20, 50, 100, 150, 200, 300, 500 Kgf	<ul style="list-style-type: none"> ✓ COMPRESSION / TENSION ✓ ALUMINUM 	
07	LC 303	0.5, 1, 2, 3, 5 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION / TENSION ✓ STEEL 	
08	LC 401	10, 25, 40, 60, 100 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
09	LC 402	10, 20, 25, 30, 40, 50 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	

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SL. No.	MODEL	CAPACITY	FEATURES	PHOTO
10	LC 403	10, 20, 25, 30, 40, 50, 100 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION / TENSION ✓ STEEL 	
11	LC 404	300, 500, 1000, 2000 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
12	LC 801	0.5, 1, 1.5, 2, 2.5, 3, 5 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
13	LC 802	0.5, 1, 1.5, 2, 2.5, 3, 5 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
14	LC 803	0.5, 1, 1.5, 2, 2.5, 3, 5 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
15	LC 810	20, 30, 50, 100, 200, 300, 350, 500 Kgf	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
16	LC 563	0.1, 0.2, 0.3, 0.5, 1, 2, 3, 5, 10, 20 TONNES	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
17	LFC	50, 100, 200, 500 Kgf	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	
18		25, 50, 100, 500, 1000, 2000, 5000, 10000, 20000, 30000 Kgf	<ul style="list-style-type: none"> ✓ COMPRESSION ✓ STEEL 	









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SL. No.	MODEL	RANGE	FEATURES	PHOTO
19	PT 201	20, 30, 50, 100, 150, 200, 250, 300, 400, 500, 600, 800 Kg/Cm ²	<ul style="list-style-type: none"> ✓ TEMP. COMPENSATED ✓ STAINLESS STEEL 	
20	PT 204	20, 30, 50, 100, 150, 200, 250, 300, 400, 500, 600, 800 bar	<ul style="list-style-type: none"> ✓ MINIATURE ✓ STAINLESS STEEL 	
21	PT 205	350, 700 mbar 1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35 bar Differential	<ul style="list-style-type: none"> ✓ WET/WET, WET/DRY ✓ STAINLESS STEEL 	
22	PT 209	350, 700 mbar Gauge 1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35, 60, 70, 100, 200, 350 bar Gauge / Absolute	<ul style="list-style-type: none"> ✓ SMALL SIZE & LIGHT WEIGHT ✓ STAINLESS STEEL 	
23	PT 209 A	350, 700 mbar Gauge 1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35, 60, 70, 100, 200, 350 bar Gauge / Absolute	<ul style="list-style-type: none"> ✓ SMALL SIZE & LIGHT WEIGHT ✓ STAINLESS STEEL 	
24	PT 210	1, 5, 10, 20, 30, 50, 100, 150, 200, 250, 300, 400, 500, 600 Kg/Cm ²	<ul style="list-style-type: none"> ✓ 4 - 20 mA OUTPUT ✓ STAINLESS STEEL 	
25	PT 215	350, 700 mbar 1, 1.5, 2, 3.5, 5, 7, 10, 15, 20, 35 bar Differential	<ul style="list-style-type: none"> ✓ 4-20 mA OUTPUT ✓ WET/WET, WET/DRY ✓ STAINLESS STEEL 	
26	PT 508	10, 100, 500, 1000, 1500 bar	<ul style="list-style-type: none"> ✓ SMALL SIZE & LIGHT WEIGHT ✓ STAINLESS STEEL 	
27	PT 602	0 - 500 mm WC to 0 - 100 m WC	<ul style="list-style-type: none"> ✓ SUBMERSIBLE TYPE ✓ STAINLESS STEEL 	





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SL. No.	MODEL	RANGE	FEATURES	PHOTO
28	PT 700	2000, 6000 bar	<ul style="list-style-type: none"> ✓ HIGH PRESSURE ✓ STAINLESS STEEL 	
29	PT 750	20, 50, 100, 200, 500, 800, 1000, 1500, 2000 bar	<ul style="list-style-type: none"> ✓ HIGH TEMPERATURE ✓ STAINLESS STEEL 	
30	PT 112	35, 100, 200, 500, 1000 bar	<ul style="list-style-type: none"> ✓ MELT PRESSURE TRANSDUCER 	
31	--	1 -100 milli bar	<ul style="list-style-type: none"> ✓ PCB MOUNTABLE ✓ GAUGE/ABSOLUTE/DIFFERENTIAL 	
32	--	1 -100 milli bar	<ul style="list-style-type: none"> ✓ PCB MOUNTABLE ✓ GAUGE/ABSOLUTE/DIFFERENTIAL ✓ AMPLIFIED VERSION 	
33	--	1 -100 milli bar	<ul style="list-style-type: none"> ✓ PCB MOUNTABLE ✓ GAUGE/ABSOLUTE/DIFFERENTIAL 	
34	--	1, 5, 10, 20, 30, 50, 100, 150, 200, 250, 300, 400, 500, 600 Kg/Cm ²	<ul style="list-style-type: none"> ✓ 4 - 20 mA OUTPUT ✓ STAINLESS STEEL 	

LIST OF PRODUCTS

SL. No.	MODEL	DESCRIPTION	TYPE	PHOTO
35	DH 740	THERMO-HYGROMETER	<ul style="list-style-type: none"> ✓ 0 - 100% Rh ✓ LED / LCD DISPLAY ✓ PANEL MOUNTING ✓ HANDHELD ✓ HIGH ACCURACY 	
36	800	THERMOCOUPLE OR RTD INPUT	<ul style="list-style-type: none"> ✓ LED / LCD DISPLAY ✓ PANEL MOUNTING 	
37	--	TEMPERATURE SENSORS	<ul style="list-style-type: none"> ✓ THERMOCOUPLE (K, T, J, R, S) ✓ RTD 	
				
38	--	TEMPERATURE TRANSMITTERS	<ul style="list-style-type: none"> ✓ DIN Rail MOUNTING ✓ HEAD MOUNTING ✓ 4 - 20 mA OUTPUT 	
				
39	--	TEMPERATURE SWITCHES	<ul style="list-style-type: none"> ✓ Fixed Temp. Type ✓ Variable Temp. Type ✓ Control Type ✓ Disk Type 	
				

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40	--	PROXIMITY SENSORS	<ul style="list-style-type: none"> ✓ INDUCTIVE TYPE ✓ CAPACITIVE TYPE 	
				
41	--	0 - 5 MTRS STROKE LENGTH	<ul style="list-style-type: none"> ✓ SHAFT TYPE ✓ SHAFTLESS TYPE 	
42	--	0 - 50 mm STROKE LENGTH	<ul style="list-style-type: none"> ✓ SHAFT TYPE ✓ SPRING LOADED 	
43	289	DIGITAL INDICATOR	<ul style="list-style-type: none"> ✓ LED / LCD DISPLAY ✓ PANEL MOUNTING ✓ LOAD CELL OR PRESSURE SENSOR INPUT ✓ DIN STANDARD 	