

# EcoGage-5



<http://www.versacontrols.com>



### 1.1. Features: -

Features	Description
<b>Output Channels</b>	Maximum 4 (Up to 4 LVDT or 2 Piezo or LVDT+Piezo)
<b>User Interface</b>	5" inch Color Touch LCD display
<b>Output Results</b>	Maximum up to 32 per Part Setup
<b>Part Setups</b>	Maximum up to 100
<b>Number of Layouts</b>	32
<b>Result Views</b>	Dial, DRO, Run-Chart (With and without Solid background), Bar graph
<b>Measurement Modes</b>	CUR, MIN, MAX, Diff, AVG.
<b>Dimension Type</b>	Linear, Angle
<b>Linear Units</b>	Linear-: MM, INCH, microns
<b>Angle Units</b>	Angle -: DMS, Decimal Degree
<b>Linear Resolution</b>	Linear-: 0.1 $\mu$ m/ 0.2 $\mu$ m/0.5 $\mu$ m/1 $\mu$ m/2 $\mu$ m/ 5 $\mu$ m
<b>Angle Resolution</b>	Angle:- 1decimal,2decimal,3decimal,4decimal,5decimal
<b>Users</b>	Quality Admin and Operator Login can be created. Max. 10 users limit. (Minimum access to Operator Login)
<b>Measurement Modes</b>	CUR, MIN, MAX, Diff, AVG.
<b>Measurement Angle type</b>	Half Taper, Full Taper, Average
<b>Digital Outputs</b>	8 Digital Output Signals (Open Collector) Which can be Configured as Tolerance Indicators (Selectable results and AND/OR logics), Measurement Cycle ON, Measurement Cycle in Process, Dynamic Measurement Delay in process, machine stop output

<b>Digital Inputs</b>	4 Digital Inputs Which can be Configured as DI for Data Transmission, DI as External Trigger/Foot-Switch, Job Presence Sensor Input, Rejection Bin Sensor Input (in case of Reject Bin Poka-Yoke), rework bin sensor, Machine stop reset, Low pressure input
<b>Footswitch interface</b>	1 footswitch Available
<b>Communication Ports</b>	2 Nos. RS232 (COM1, COM2), 1 Nos. Ethernet, USB
<b>Formula Editor</b>	Result formula can be edited for combinations of Channels and or other results
<b>Preset And Mastering</b>	Step, Simultaneous (Group Mastering)
<b>Tolerance</b>	Nominal, Lower Set Limit (LSL), Lower Control Limit (LCL), Upper Control Limit (UCL), Upper Set Limit (USL)
<b>Grading/Segregation</b>	Up to 25 Grades/Divisions with 5-digit Alphanumeric Mark
<b>SPC</b>	Cp, Cpk, (Can be seen on Display of ongoing Measurements as per Configurable Subgroup size from 2 to 25)
<b>Job Counters</b>	Total Jobs, OK Jobs, NG Jobs. Given separate screen for result wise job counters display
<b>Report</b>	Day wise
<b>Measurement Delays</b>	Start-up Delay (0.1 to 9.9 Sec Stabilizing Time), Dynamic Timer Delay (0 to 999.9 Sec Time for Actual Measurement after which Data will be Saved)
<b>Measurement Cycle</b>	Auto Cycle (Auto Time Base), Measurement Cycle (Trigger Based), and other cycles are editable
<b>Auto Air Cut-Off</b>	Auto Air Saving Mode (Air will be in full consumption while measurement while out of Measurement consumption will be cut by approx. 80 to 90%)
<b>Job serial number</b>	Auto increment or Manual entry for every measurement (up to 17 digits alphanumeric) Scanner connectivity also
<b>Memory</b>	In built micro-SD card of 8GB for data storage