



## Features

- Microprocessor based digital LCD alarm
- Highly visible 10" (254 mm) LCD screen
- Pressure sensing through piezoresistive sensing technology
- Alarms can be monitored audio-visual
- Touch screen operation
- Comprehensive monitoring of all the medical gas alarm panels
- Data display at a central monitoring station
- Alarm status will be visible through ethernet port on master alarm
- Real time updating of status
- Operational parameters i.e. high and low level can be set "in-situ" to suit requirement in an area
- Programmable pressure unit display (bar, kg/cm<sup>2</sup> & mmHg)
- Audio mute option
- Designed to serve 2, 3, 4, 5 & 6 gases including Vacuum
- NIST connection for Gas input
- Powered by 220V AC to 24V DC external adapter
- Building Management Software (BMS) compatible

**Conforms to:** IS / ISO 7396 - 1 : 2016 + A1 : 2017  
HTM 02-01 Part A, IS / ISO IEC 60601 - 1 : 2015 + A1 : 2020

**Certifications:** ISO 13485:2016 – Medical devices – Quality Management Systems  
ISO 9001:2015 - Quality Management Systems  
Pressure Equipment Directive 2014/68/EU

## Dimensions



## Technical Specifications

Conforms to	IS / ISO 7396 - 1 : 2016 + A1 : 2017, HTM 02-01 Part A & IS / ISO IEC 60601 - 1 : 2015 +A1 : 2020
Body	Fire retardant dust-proof CRCA 18 SWG steel enclosure (NEMA 1 Enclosure)
Finish	Powder coating - Enclosure RAL 7035 grain finish
Mounting type	Horizontal - Surface mountable (Cover opens up horizontally)
Enclosure dimensions	408 × 300 × 98 (L × H × T in mm)
Gas services	1, 2, 3, 4, 5 & 6 Gas including Vacuum
Gas & Vacuum connection	NIST connection for gas input
Power connection	External 220V AC (50 Hz) to 24V DC adapter for audio visual display
Warning system	Microprocessor based warning module should be adjustable in-situ to set operational parameters and digital pressure unit in psi / bar or kg/cm <sup>2</sup>
Touch Screen Display	Digital & illuminated touchscreen display for "Normal", "High" & "Low" with High/low alarm set-point for each gas (Low only for Vacuum) service Visible display coupled with audio warning in case of preset with the provision of "Mute" audio signal for 15 minutes max
Sensors	Fully calibrated and temperature compensated application specific Integrated Circuit signal conditioning (in a brass housing) Pressure Sensors a. Total Error Band: ±1.0% FSS (Full Scale Span) from -20 °C to 85 °C [-4 °F to 185 °F] b. Sensing pressure span : 60 mbar to 10 bar [1 psi to 150 psi] Digital Output c. Temperature span : -30 °C to 50 °C [-22 °F to 122 °F]
Information & Control	The information of alarm, current status & test conditions through "Touch Screen"
BMS Compatibility	Yes, Available Protocols - Modbus TCP/IP and Modbus 485
Display & Audio blocker	Provision to block display & audio signal of a particular supply line for long service period is built-in
Earthing	Protective earth
Protection	Class II & IP54
Certifications	ISO 13485 : 2016 - Medical devices - Quality Management Systems ISO 9001 : 2015 - Quality Management Systems

## Ordering Code

Device Name	Device Model	Device Description	Device Code
Cronus Excel	Surface Mount	1 Gas including Vacuum	6065110
		2 Gas including Vacuum	6065210
		3 Gas including Vacuum	6065310
		4 Gas including Vacuum	6065410
		5 Gas including Vacuum	6065510
		6 Gas including Vacuum	6065610



**Corporate Office :** Plot No. 691, Sector 69, IMT, Faridabad, Haryana 121004, INDIA  
Tel: +91-7291838253  
Email: [aktivtechnologies@gmail.com](mailto:aktivtechnologies@gmail.com), [sanjay.aktiv@gmail.com](mailto:sanjay.aktiv@gmail.com)  
Website : [www.aktivtechnologies.com](http://www.aktivtechnologies.com)



Consult Instructions  
for Use

LT / 606A Rev 00 12/21

**Disclaimer:** Due to our policy of continuous product improvement, Aktiv Technologies reserve the right to alter dimensions and/or specification without notice although every effort will be made to advise of any such modifications.