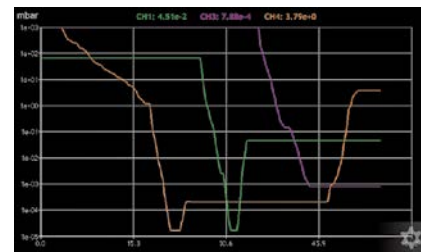


# MG15 ION MULTI GAUGE CONTROLLER



Real time pressure charts (data export possibility).

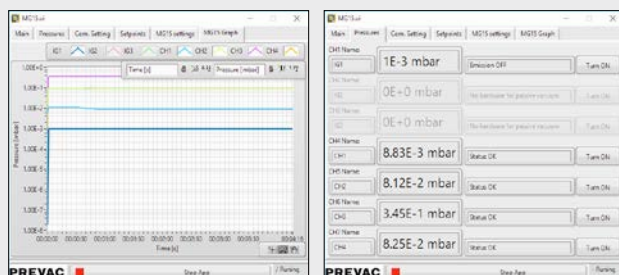
## DESCRIPTION

The MG15 is able to support four active gauges and up to three passive gauges, extending the measurement range to  $2 \times 10^{-12}$  mbar. The unit is fully software controlled. The unit can be remotely controlled via one of available interfaces. The unit is equipped with autosave function (the device save your parameters, preset and apply them automatically after restart).

## FEATURES

- Measurement range from atmospheric to  $2 \times 10^{-12}$  mbar
- Pressure plots
- Pressure trend graphs
- Measurement filtering (low, med, hi)
- Controls almost all commercially available Bayard-Alpert gauges
- Degassing of Bayard-Alpert with power and time limit
- Supports Ir/W/Thoria filaments
- Bayard-Alpert overpressure protection
- Selectable measurement units: mbar, Torr, Pascal, psia
- Gas specific correction with one customized setting
- Unit over-temperature protection
- 10 individually programmable set-points with threshold and hysteresis functions
- User-defined channel names
- Possibility of active gauges self-identification
- Beam flux monitor
- Black Box version available (option) - without 7" TFT display

## CONTROL APPLICATION



## TECHNICAL DATA

Supply voltage	100 - 240 VAC, 50 - 60 Hz (power consumption max 200 W)
Measurement channels	up to 7 (active channels: 4; passive channels: up to 3 - number defined at the time of order)
Supported active gauges	CTR90, TTR91, TTR211, PTR225, PKR251/360/361, PCR280, PTR90, ITR90, ITR100, Baratron, ANA-LOG IN, PG105, ATMION, User defined*
Supported passive gauges	IE414, IE514, UHV-24, UHV-24p, MKS Series 274, NUDE-UHV-8A, NR-F-UHV, G8130, BARION basic II, User defined*
Measurement range:	
Passive channel	$2 \times 10^{-12}$ mbar
Active channel	$5 \times 10^{-10}$ mbar
Display range	$2 \times 10^{-12}$ - $2 \times 10^5$ mbar
Setpoints relay outputs	10 (4xNO/NC, 6xNO)
Relay outputs with configurable activation signal	4 (Emission, Degas)
Digital inputs	4
Analog outputs	4 (0 - 10V)
Communication interface	RS232/485, Ethernet PROFINET - option (on request)
Communication protocol	MODBUS-TCP
User interface	7" TFT display with touchscreen
Dimensions	212.6 x 128.4 x 260.3 mm (WxHxD), 1/2 of 3HE 19"
Weight (approx.)	3.8 kg
* prepared to support many other custom gauges	

## APPLICATIONS

- Any high and ultra high vacuum systems
- Measurement of ultimate pressure (from atmosphere to UHV range)
- Bakeable and non bakeable systems