



Automatic Pressure Controller

2015

HS630 Pressure Controller



A variety of pressure ranges



Increasing pressure quickly



Software operation



Complete equipments



Six channels intelligent scanner



Twelve channels connecting testbed



High accuracy



Six channels intelligent scanner

- One standard channel and six channels under test, that can calibrate more devices under test at the same time
- Display: Pressure 5-bit Current/Voltage 6-bit
- High accuracy current/voltage measurement: $\pm (0.01\%RD + 0.0025\%F.S)$
- DC24V output accuracy: $\pm 0.1\%$ Load capability $> 180mA$



HS630 Pressure Controller main part

- Pressure range: -0.095-0.35/1.6/2.5/7/14/21MPa
- Accuracy: 0.002%F.S.
- The time attached to setting point: $< 10S$.
- 7 inches touch screen and navigation menu with icon simulating image.

Four channels output testbed

- Adapting alloy aluminum and hard anodizing method to prevent corrosion and scratches.
- Quick adaptor, install devices without tool, there is no leakage.
- Dual-row 4 channels quick connector.



Description:

HS630 Pressure Controller is one of the most efficient intelligent pressure controller in CHINA. It is the remarkable progress that HUAXIN INSTRUMENTS taken by continuous grope and reform in pressure calibration area for 12 years. It extends the servo control of automated pressure generator series, can stabilize on the setting point in 10s without overshoot. There are more advantages for calibrating high accuracy pressure device. The operation interface adopts 7 inches touch screen and navigation menu with icon simulating image to make it easy and intuitive.

HS630 Pressure Controller covers the range of -95kPa-21MPa, The pressure control stability is 0.002%F.S. The Intelligent pressure calibrator measurement accuracy can be choosed between 0.05%F.S and 0.02%F.S. That can realize batch-calibration of transmitter, pressure switch and PROFIBUS FF instruments by combining with six channels intelligent scanner and PROFIBUS FF decoding device.

Specification:

Main part

Model	HS633	HS631	HS632
Name	Automated pressure controller	Automated pressure controller	Automated pressure controller
Control pressure range	-10-10kPa	-0.095-2.5MPa	0-60MPa
Cover range	±2.5kPa	±2.5kPa, ±100kPa	0-1MPa, 0-7MPa
	±10kPa	-0.095kPa-2.5MPa	0-25MPa, 0-60MPa
Control pressure stability	0.002%	0.002%	0.002%
External pressure module	HS602 Intelligent Pressure calibrator		
Working medium	Air	Air	25 [#] transformer oil
Pressure unit	kPa, bar, psi, Kgf/cm ² , mmHg °C, Pa, MPa, mmH ₂ O °C		
Menu display	7 inches, TFT, VGA, Active Matrix, Resolution: 800x480 pixels, 65536 color		
Temperature	Working temperature: 0°C -40°C ; Storage temperature: -20°C -70°C		
Humidity	5%-95%RH		
Size	500mmx450mmx180mm(LxWxH)		
Weight	26.5kg		

Four Channels output testbed

Model	HS630
Name	Four Channels output testbed
Connecting way	M20x1.5Female
Connecting quantity	Four Channels quick adapter
Connecting device under test	pressure gauge 3pcs, pressure transmitter 3pcs, pressure switch 3pcs
Size	350mmx310mmx180mm(LxWxH)
Weight	7.3kg

Six Channels intelligent scanner switch:

Model	HS630	
Name	Six Channels intelligent scanner switch	
Current measurement	Range:(-30-30)mA	Accuracy:±(0.01%RD+0.0025%F.S)
Voltage measurement	Range: (-300-300)mA、 (-30-30)V	Accuracy:±(0.01%RD+0.0025%F.S)
DC output	DC24V(≤30mA)	Accuracy:±0.01% Load capacity > 180mA
Switch value measurement	Measure on/off state, automatically lock action value	
Pressure units	kPa,bar,psi,Kgf/cm2,mmHg°C ,mbar,Pa,MPa,mmH2O°C	
Menu display	LCD with backlit, current/voltage 6-bit display	
Temperature	Working temperature:0°C -40°C ; Storage tempature:-20°C -70°C	
Humidity	5%-95%RH,	
Size	500mmx450mmx110mm(LxWxH)	
Weight	9.8kg	
Channel quantity	One standard channel,six channels under test,support electrify module switching	
Power voltage	(100-250)V,50/60Hz	

HS602 Intelligent pressure calibrator:

Model	HS602	
Name	Six Channels intelligent scanner switch	
Pressure measurement	Range:-0.1-60MPa	
	Accuracy:0.1%F.S 0.05%F.S 0.02%F.S	
Current measurement	Range:(0-25)mA	Accuracy:±(0.01%RD+0.005%F.S)
Voltage measurement	Range:(0-25)mV	Accuracy:±(0.01%RD+0.005%F.S)
DC output	DC24V(≤30Ma)	Accuracy:±0.01% The max load capacity 100mA
Switch valve measurement	Measure on/off state, automatically lock action value	
Pressure units	kPa,bar,psi,Kgf/cm2,mmHg°C ,mbar,Pa,MPa,mmH2O°C	
Menu display	LCD with backlit, Pressure 5-bit display Current/voltage 6-bit display	
Temperature	Working temperature:0°C -40°C ; Storage tempature:-20°C -70°C	
Humidity	5%-95%RH	
Size	96mmx170mmx50mm(LxWxH)	
Weight	0.6kg	

Software function:

- Collection function:Automating pressure control,data collection,calculation,saving,and generating the result
- Printing function:Print calibration results and data logging
- Management function:Bult the information files of standard device and ones under test
- Statistics function: Base on the data in database,statistical analysis by manufacturer and instruments NO.
- Query function:Query historical data by instrument type,NO.,Units,calibration date

Accessories:

Name	Specification	QTY
Certificate	Test report/certificate of quality/warranty card/user manual	1set
Sealing	Output sealing	100pcs
Insurance tube	10A 5x20mm	3pcs

HUAXIN INSTRUMENT(BEIJING)CO.,LTD

Add:No.11,Chuangxin road,Changping,Beijing,102200,China.

E-mail:sales-huaxin@comeonhs.com/Web:http://www.9511.com.cn

Tel:+86-10-62392087/Fax:+86-10-62345183