

HGW Series Computer Control Pipe Ring Stiffness Testing Machine



1. Application

HGW series (Dual Space) Pipe Ring Stiffness Testing Machine, is mainly used to determine ring stiffness, ring softness and compression of thermoplastic pipes having circular cross-section. It conforms to the requirements of all kinds of plastic pipes, such as structured-wall pipes, PE corrugated pipes, helically wound pipes, etc.

2. Standards:

The machine can meet ISO9969, ISO5893, ASTM D638, ASTM D790, ISO37, ASTM E4, ISO6892, ISO75000-1, EN 10002-4 standards and so on.

3. Specifications:

Model	HGW-20E	HGW-50E	HGW-100E	HGW-200E	HGW-300E
Max. Load(KN)	20	50	100	200	300
Calibration standard	Class 0.5 according to ISO 7500-1 - Meets ASTM E-4				
Testing Load Accuracy	±0.5%				
Load range	0.4%~100% F.S				
Load Resolution	1/500,000FS				
Test control mode	Three closed loop control, stress, strain and displacement				
Displacement accuracy	Within ±0.5% of the value				
Deformation accuracy	≤±0.5% of 0.4%~100% of rated capacity				
Displacement resolution	0.04μm				
Test speed(mm/min)	0.001-1000	0.001-1000	0.001-500	0.001-500	0.001-500
Crosshead speed	±0.5% of set speed				
Pipe diameter range	Customized(110mm-3000mmm)				
Effective testing width	450mm (according pipe diameter Custom)				
Compression Testing Space(mm)	700mm (According pipe diameter Custom)				
Position limit switch	Upper and lower lights				
Power supply	AC220V±10%, 50Hz/60Hz				
Note: *Extra wide and/or extra height frames are available. *Power supply system is completely customizable. *Tensile space, test width, and speed is completely customizable.					

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