

QC-PM250 Modular Units for Static & Dynamic Testing Tasks

Standard

Description

QC-PM250 is designed for static and dynamic tests, Material and component testing, durability testing, Fatigue and high frequency tests. It is demanding static and dynamic testing in Research and Development and in quality control.

Appearance



Specification

Model	QC-PM250H	QC-PM250E
Size	Fnom: 5-50kN	
Test of drive	Hydraulic, 280bar	Electric
	Optional assembly in the upper cross-head or in the machine base	
Piston stroke	50 – 400mm	76-450mm
Adjustment way of the cross-head	300mm	
Testing room height	800mm	
Inner width of test frame	440mm	
Specimens	Standard test pieces, components and parts in the destructive and non-destructive test range (example: metals, elastomers, composite materials)	
Application	<ul style="list-style-type: none"> • Static and dynamic tensile and compression tests • Dynamic strength testing • Cyclic testing, service load simulations 	
Test frame	<ul style="list-style-type: none"> • Closed, solid test frame in 2-column design with high stiffness • Chrome-plated precision columns with extreme wear-resistance • Continuously adjustable cross-head with manual clamping • High flexibility of adaption and fixing options • Set-up by supported machine feet without a special bed-plate 	
Force measurement	<ul style="list-style-type: none"> • Strain gauge for tensile and compressive forces • Optional assembly at the piston rod or at the base plate 	
Options / accessories	<ul style="list-style-type: none"> • Hydraulic aggregate • Broad range of specimen holders, tensioning equipment, compression plates and bending tables • T-slot table • Transport devices • Climate chambers • Protective equipment • Hydraulically or electromechanically adjustable lifting cylinders 	

	for the cross-head adjustment	
Digital control system	Control station RS-C30; 24-bit digital controller DIGIMAXX C-30® For the fulfillment of demanding static and dynamic test requests.	
Software	ProteusMT test software, the user-friendly operating surface for programming, execution and evaluation of static and dynamic tests	
Voltage	3x400 Voltage, 50Hz	
Dimension (W x Dx H)	747 x 780 x 2415/3015mm	747 x 780 x 1879/2595mm

Features

Applied Industry: Aviation and car industry, ship building, railway vehicles, medical technology

* Cometech reserves ultimate modification right of product specification.

1st Version 2016



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