



ContaminationTest Module – Supply & Control CTM-SC

Description

The ContaminationTest Module CTM is a modular system for analysing the technical cleanliness of components. This is done by removing the particulate contaminants from the component through wet sampling and transferring them for subsequent analysis by means of a diaphragm.

The ContaminationTest Module CTM-SC is the CTM series' core module. It is designed for the media supply and control of the entire extraction processes and includes a graphical user interface.

Applications

- Automotive and auto industry suppliers
- Gearbox/engine manufacturing
- Mobile hydraulics
- Production of hydraulic/lubrication system components
- Aviation industry

Advantages

- Reduces costs by reducing production waste
- Helps to detect and eliminate weak points
- Reduces zero-km breakdowns
- Optimises internal and external processes
- Documents components' technical cleanliness

Special features

- Reversible test liquid pulsation
- Filling and drainage port
- Controlling and monitoring CTM-E modules
- Automatic pressure adjustment via software
- Free programming of the extraction procedure

Technical Data

General data	
Dimensions, external (Height x Width x Depth)	1.80 m x 0.90 m x 0.80 m
Weight	≈ 250 kg
Material, housing	S235JR powder-coated
Power consumption	600 watts
Type	Mobile, portable
Ambient temperature	15 ... 28 °C
Controller	IPC/PLC-controlled with user-friendly software, parameter-based extraction procedure design
Reservoir and filtration module	
Operating pressure	-0.8 ... 6 bar
Test liquid reservoir	2x 18 l (1x reservoir, 1x suction container)
Container switching	Automatic
Test liquid filtration	Ultrafine filtration in accordance with ISO 4406 min. ISO 12/9
Filter size, fineness	2x MRF-1-E/1, 1 µm
Collection tray, integrated	25 litres with drain
Coupling connection	CPC coupling
Vacuum nozzle	For extracting the test fluid at port R
Emission sound pressure level L_{PA}	< 70 db(A)
To be provided by operator (not included)	
Compressed air	Filtered, (min. 5 µm), dry compressed air, 6.5 ... 7 bar Air volume flow rate: 60 l/min, Connector: Nipple DN 7.2
Supply voltage	(acc. to model code)

Model code

CTM - SC - 105 - 0 - M

Type

CTM = Contamination Test Module

Module

SC = Supply & Control

Series

105 = Version 2020

Analysis fluid

- 0 = Solvent cleaner
(G60 Spezial, flashpoint $\geq 60^\circ\text{C}$,
lower explosion limit $> 0.6\text{ Vol. } \%$), Feroclean 261
- 1 = Solvent cleaner and water with surfactants,
permissible pH values 6 ... 10, no deionized water

Supply voltage

K	= 120 V AC / 60 Hz /	1 Phase	USA / Canada
M	= 230 V AC / 50/60 Hz /	1 Phase	Europa
N	= 240 V AC / 50 Hz /	1 Phase	UK
O	= 240 V AC / 50 Hz /	1 Phase	Australia
P	= 100 V AC / 50 Hz /	1 Phase	Japan
AE	= 110 V AC / 60 Hz /	1 Phase	

Scope of supply

- CTM-SC
- Monitor + monitor holder
- Windows
- PLC
- Keyboard with touchpad
- Foot switch
- Software
- Operating and maintenance instructions

Note

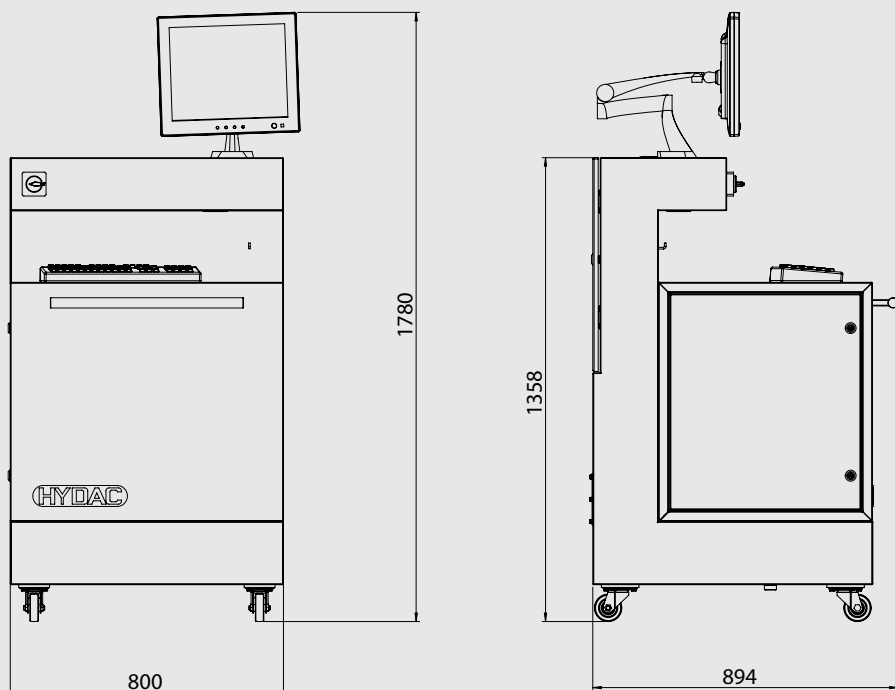
The information in this brochure relates to the operating conditions and fields of application described.

For applications and/or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

Device dimensions

(All dimensions in mm)



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