



ContaminationTest Module – Supply Control CTM-SC 3xxx

Description

The ContaminationTest Module CTM is a modular system for inspecting components with reference to their technical cleanliness. The solid particle contamination is thereby dedusted from the component surface through wet sampling and conveyed per diaphragm to a later evaluation.

The ContaminationTest Module CTM-SC 3xxx is the central module in the CTM series. It is used to supply media and to control the extraction processes and it includes the graphic user prompting.

Fields of application

- Automotive and supplier industry
- Gearbox and engine builders
- Mobile hydraulics
- Manufacture of hydraulic and lubrication system components
- Aircraft industry

Advantages

- Cost reductions through lower production waste
- Detection and elimination of weak points
- Reduction of failures before delivery
- Internal and external process optimisation
- Documentation of technical cleanliness of components

Special features

- Reversible pulsation of the test liquid
- Filling and emptying connection
- Controlling and monitoring of CTM-E modules
- Automatic flow rate control setting using software
- Free programming of the extraction procedure

Technical data

General data	
Operation	Via touchscreen
Test liquid feed	Gear pump
Test liquid return	Diaphragm pump
Flow rate: feed-side return	2.5–18 l/min 4 l/min (without filter membrane)
Pressure limit max. ΔP via consumer @ 5 l/min @ 18 l/min	10 bar ± 0.5 9.5 bar 5.0 bar
Test liquid reservoir	Up to 90 litres
Filtration of analysis fluid	Fine filtration to ISO4406 min. 12/9
Filter size	2x MRF-1-E/1, 1 μm
Built-in collecting pan	100 litres with drain
Dimensions (height x width x depth)	1.70 x 1.20 x 1.80 m
Housing material	S235JR powder-coated
Connection	Screw connection acc. to ISO8434-1-BHS-L12-1.4571
Ambient temperature	15 to 28 °C
Emission sound pressure level LPA	< 70 db(A)
Weight when empty	≈ 270 kg
Electrical data	
Supply voltage	Acc. to model code
Power consumption	1100 watts
Protection class as per DIN 40050	IP 54

Model code

CTM SC 3 0 0 0 - M

Type

CTM = Contamination Test Module

Module

SC = Supply Control

Series

3 = series

Tank volume (nominal)

0 = 60 litres

4 = 90 litres

Version

0 = V2016

Analysis fluid

0 = G60 special
(flash point > 60 °C, lower explosion limit > 0.6 vol. %)

1 = water with surfactants,
permitted pH values 6 to 10, no deionised water and G60 special

Supply voltage

K = 120 V AC / 60 Hz / 1 phase USA / Canada

M = 230 V AC / 50 Hz / 1 phase Europe

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

Scope of delivery

- CTM-SC
- Operating and maintenance instructions

NOTE

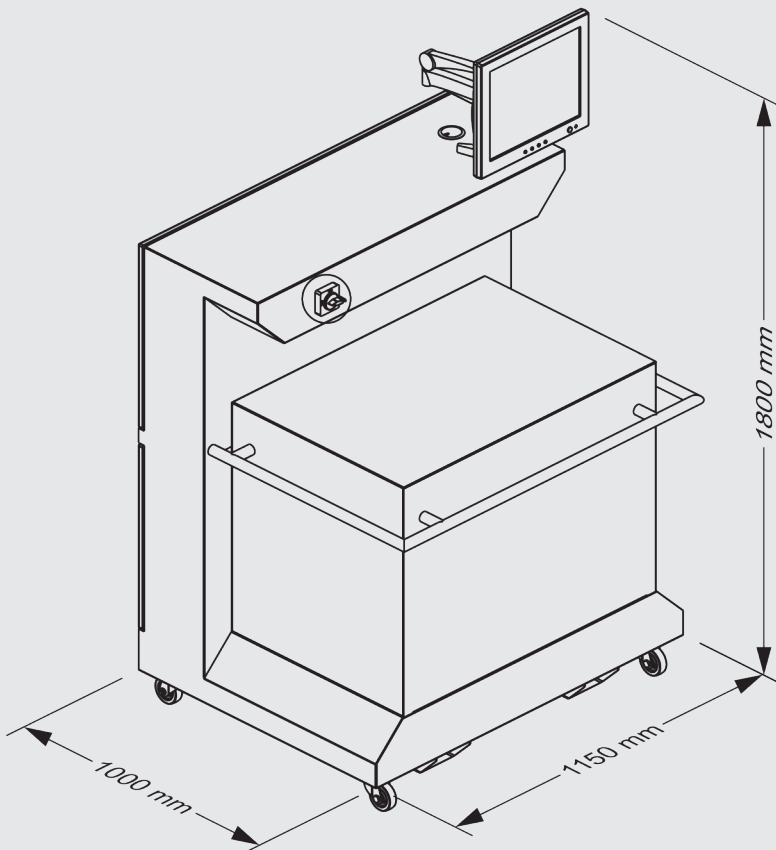
The information in this brochure relates to the operating conditions and applications described.

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

Subject to technical modifications.

Instrument dimensions

(All dimensions in mm)



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