

# Technical Data Sheet



## Checkmate Refrigerant Test Kit

Part # RT700K

### Checkmate Detector Tubes

Part # RT752C, Oil Detector Tubes

#### Overview:

The Checkmate method is the industry's only valid field test for measuring the acid and moisture levels (purity) of refrigerant gas. Predict and prevent the likelihood of compressor failure by checking the contaminant levels in the compressor oil of an operating HVACR system. Detector tube results take less than a minute.

#### Used Where:

Simply insert a detector tube into the Checkmate body and connect the device up to a cylinder of refrigerant gas or on the low side of a system (refer to *Directions* below). The oil detector tubes determine the contaminants in the oil phase of a working system.

#### Directions:

1. For proper use and directions, download the user manual in the link provided:  
[https://www.supercool.com.au//files/150/RT700K%20-%20Checkmate\\_UserManual\\_2021.pdf](https://www.supercool.com.au//files/150/RT700K%20-%20Checkmate_UserManual_2021.pdf)
2. Video tutorial: <https://www.supercool.com.au/checkmate-kit.html>

#### Construction:

The Checkmate body is an aluminium tube holder containing stainless steel needles. Detector tubes are made of heavy walled Pyrex glass tubing. The detector tube indicator materials are packed under dry nitrogen.

#### Validation:

The Checkmate method has been tested for accuracy by leading AHRI approved laboratories. Checkmate is used by OEMs, refrigerant manufacturers, refrigerant reclaimers and service technicians worldwide.

#### Warranty:

The Checkmate device is guaranteed to be free of manufacturing defects for a period of one (1) year from date of purchase. Full replacement is subject to inspection. The oil detector tubes have a minimum shelf life of one (1) year from date of manufacture and must be stored away from heat to prevent premature expiration.



Have you ever checked the chemical ingredients of the products you are using now?  
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