# VACQ xFlat



# Measures temperature at various points for the control of thermal processes.

In order to fit into flat access furnaces, TMI-Orion has designed VACQ xFlat, particularly appreciated when monitoring temperature in dry heat processes.

It is protected by a thermal shield when temperature exceeds +150°C.

#### VACQ xFlat

• 4, 8, 4x2, or 16 thermocouple channels and 2 internal reference channels (1 for cold junction)

#### Radio option: real time visualization

VACQ xFlat Radio (available with 3, 7, 8 (2x4 channels) or 16 channels) transmits in real time, by radio, the data measured during the process. The data are directly readable on your computer screen.







## Metrology

specifications

## Operation range

without thermal protection, from 0°C to 140°C (peaks at 150°C) for temperatures beyond 140°C, thermal protection upon request

Resolution and noise

0.1°C for type K thermocouples (full scale 1300°C) or type T thermocouples

- Technical Material: 316 L stainless steel
  - Dimensions:

16 channels (L x H x W.): 153 mm x 20 mm x 80 mm 8 channels (L. x H. x W.): 153 mm x 11mm x 80 mm 2x4 channels (L. x H. x W.): 82 mm x 21 mm x 107 mm 4 channels (L. x H. x W.): 82 mm x 11mm x 107 mm

Radio version dimensions for real time data:

16 channels (L. x H. x W.) : 153 mm x 20 mm x 80 mm 7 channels (L. x H. x W.) : 153 mm x 11mm x 80 mm 2x4 voies (L. x H. x W.) : 82 mm x 21 mm x 107 mm 3 channels (L. x H. x W.) : 82 mm x 11mm x 107 mm



- Memory capacity: total of 260 000 acquisitions, divided by number of measurement channels
- Programmable acquisition rate: minimum 1 second, maximum 59 minutes and 59 seconds.
- Programmable acquisition duration.
- Programmable recording start by date, hour, minute.
- User replaceable high temperature battery.
- Non volatile memory.



4/4 4/4 4/4

# Software operating conditions

- Data transfer with a communication interface connected to a USB port.
- Operates under Windows® XP (SP3)/VISTA/7.

#### NOTA:

Annual maintenance is recommended.

