

The thermo-manograph MTS/07 is a temperature and pressure portable drum recorder.

The recorder occurs by a pen on chart paper wrapped around the drum rotated by a clock work.

The rotation and recorder can be daily or weekly, mechanical or battery.

These recorders are also used for endurance test and trial in gas pipelines and aqueducts.

AVAILABLE CLOCKWORK

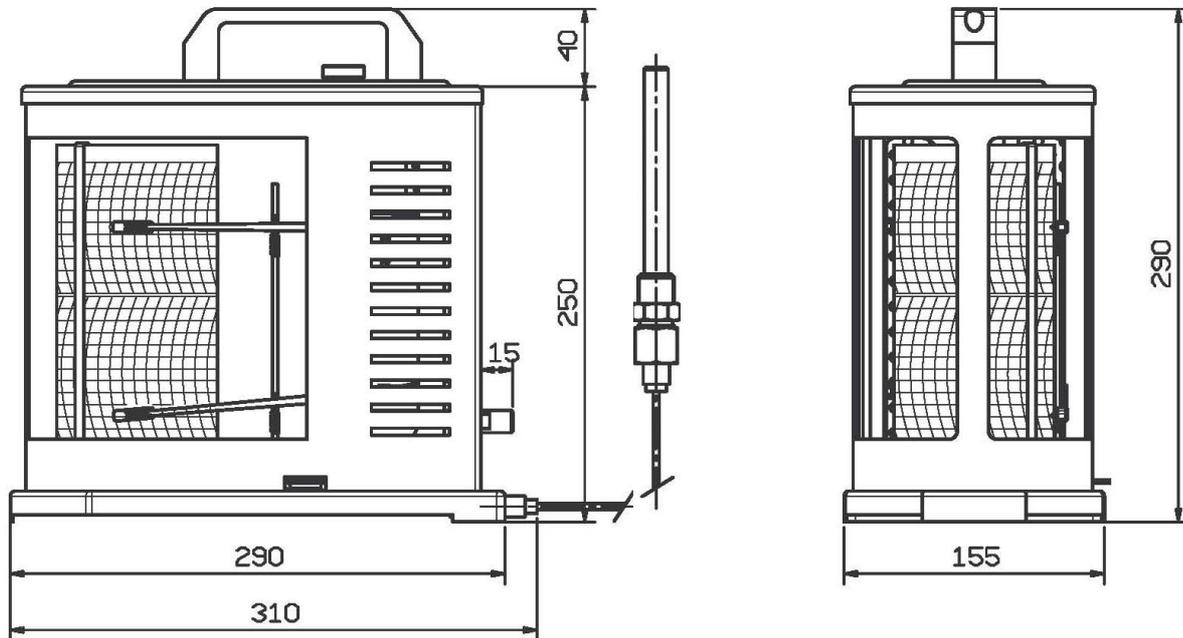
Battery 1,5 V. daily (29h20') - weekly (176h)
Battery 1,5 V. chart speed 5 mm/h for roll chart operating temperature -35°C
Battery 1,5 V. daily (29h20') - weekly (176h) operating temperature -35°C
Mechanical daily (29h20') - weekly (176h)
Mechanical chart speed 5 mm/h for roll chart
Mechanical 24 - 48 h chart speed 12 mm/h

STANDARD RANGE SCALES

SHEET CHARTS DAILY - WEEKLY	
-10+50 0-6	-10+50 0-600
-20+60 0-40	-10+40 0-10
-40+80 0-50	-10+40 0-2,5
-20+80 0-250	-10+50 0-16
-10+40 0-1,6	-15+45 0-400
-15+45 0-100	0+60 0+40
-20+40 0-50	-10+50 0-25
0+40 0+40	

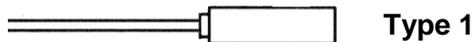


DIMENSIONS

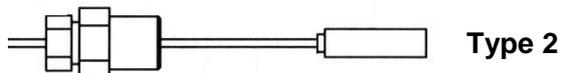


All dimensions are in mm

BULB TYPE



Bare bulb and fitted directly to the process.



Bulb with compression connection sliding on the capillary.



Bulb with compression connection sliding on the rigid shark.

It's necessary a thermowell connection to the systems with pressures exceeding 20 BAR.

TECHNICAL SPECIFICATION

Temperature measuring element: Bourdon spring thermally treated

Capillary: 316 st.st. with available protective coating 304 st.st.

Bulb: 316 st.st. Ø std. 11 mm. Sensing part 100 mm

Connection temperature: Connection 1/2 BSP M. AISI 316 sliding on the capillary, available 1/2 NPT on request

Temperature accuracy: Class 1 according to EN 13190

Pressure measuring element: Bourdon spring 316 st.st. or phosphor bronze bellows

Pressure scale: Available pressure scales from 60 mBar up to 1600 Bar

Pressure connections: Bottom 1 /4 BSP M. - 1/2 BSP M.

Pressure accuracy: From 1 to 1000 Bar class 1 according to EN 837-1

From 40 to 1000 mBar class 1,6 according to EN 837-3

Ambient temperature: -10°C + 60°C

Clockwork: Spring-loaded mechanical, battery (AA-LR6) 1.5V with quartz movement

Chart: Sheet chart with linear scale wrapped around the clockwork drum, chart speed 10 mm/h set to daily rotation

Window: Plexiglass

Writing system: Synthetic fibre pen ink filled easy to replace with an autonomous writing of 150 m.

Case and lid: 304 polished stainless steel at high weatherproof and industrial smokes-resistant.

Weight: 3000g about