

# MANOGRAPH MTS/07

## GENERAL DESCRIPTION

The manograph MTS/07 is a pressure portable drum recorder.

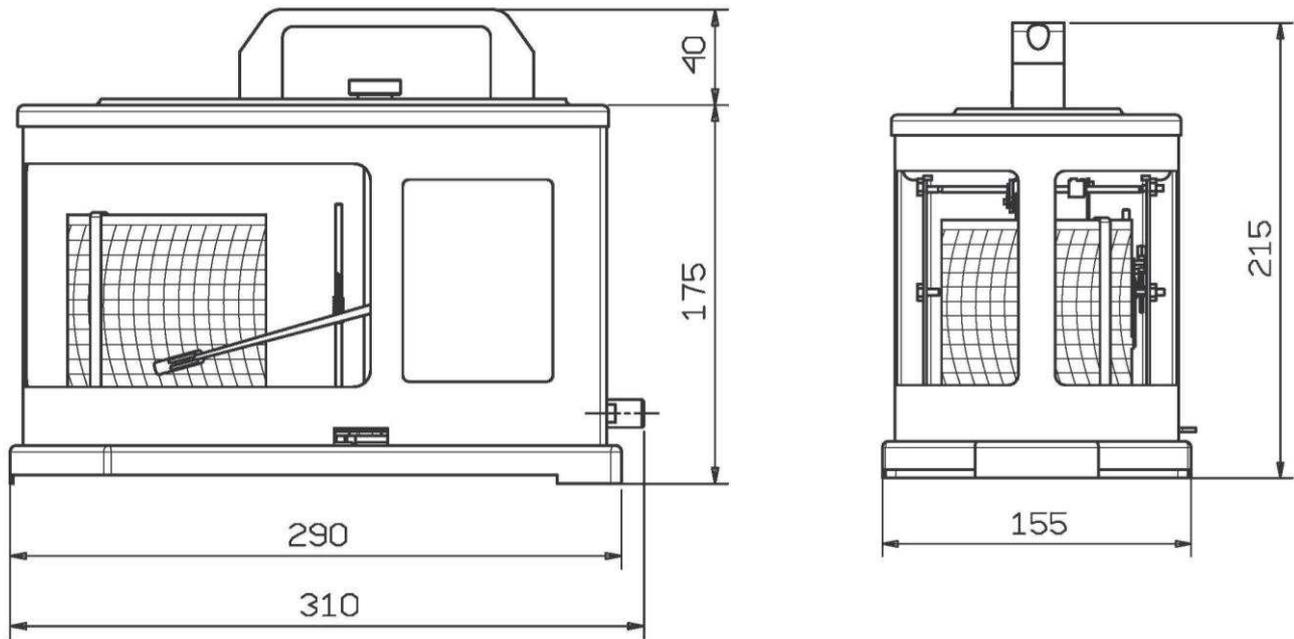
The recorder occurs by a pen on chart paper wrapped around the drum rotated by a clockwork.

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.



## DIMENSIONS



*All dimensions are in mm*

## TECHNICAL SPECIFICATION

**Measure element:** Phosphor bronze bellows

**Ranges:** Pressure scales available from 40 up to 1000 mBar

Available mm/H<sup>2</sup>O scale on request

**Process connection:** Bottom 1 /4 BSP M. - 1/2 BSP M.

**Accuracy:** 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:** 2500g about

## 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 (in mBar)

<b>SHEETS CHARTS</b>
0-40
0-60
0-100
0-160
0-250
0-300
0-400
0-600
0-1000

<b>ROLL CHARTS</b>
0-40
0-60
0-100
0-160
0-250
0-300
0-400
0-600

# MANOGRAPH MTB/07

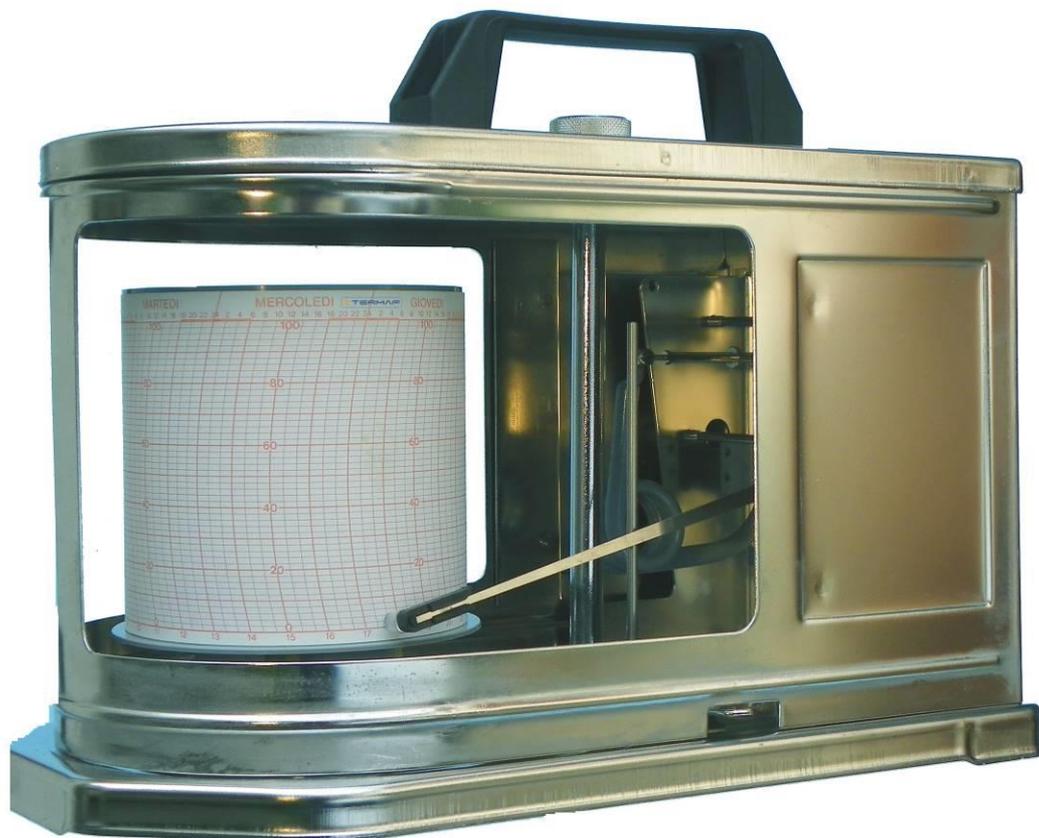
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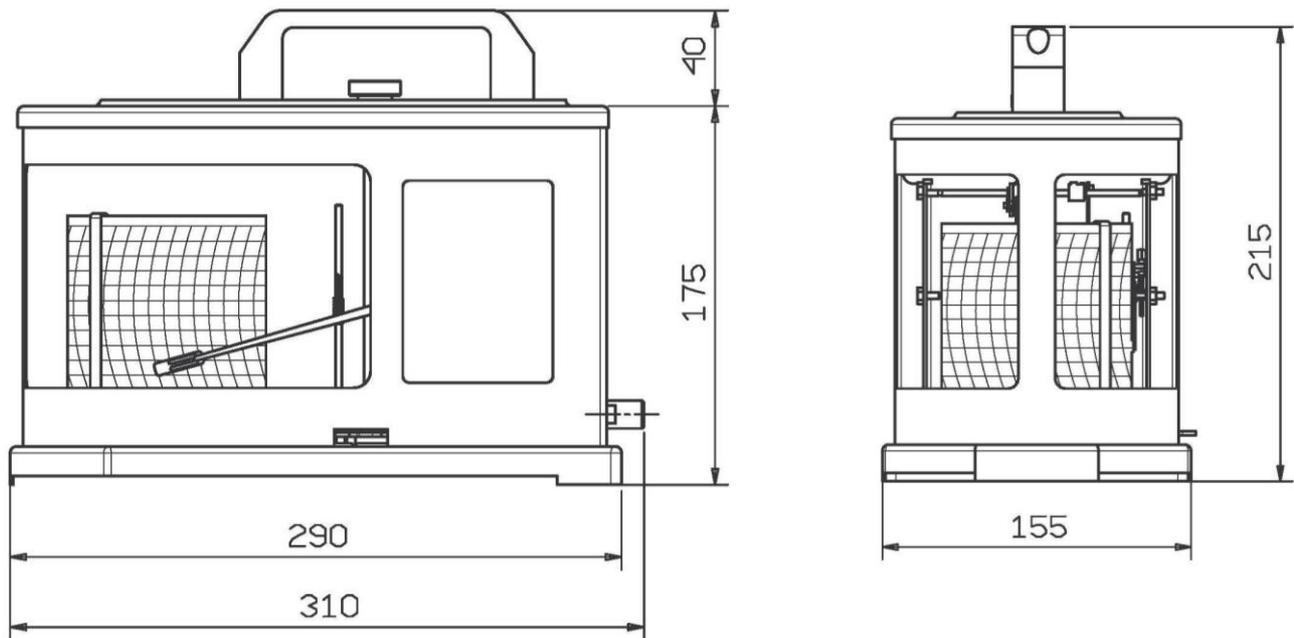
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These recorders are also used for endurance test and trial in gas pipelines and aqueducts.



## DIMENSIONS



*All dimensions are in mm*

## TECHNICAL SPECIFICATION

**Measure element:** Bourdon spring 316 st.st.

**Ranges:** Available pressure scales from 1 up to 600 Bar

**Process connection:** Bottom 1/4 BSP M. - 1/2 BSP M.

**Accuracy:** Class 1 according to EN 837-1

**Ambient temperature:** -10°C + 60°C

**Clockwork:** Spring-loaded mechanical, battery 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:** Fibre synthetic 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.

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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 (in Bar)

SHEET CHARTS	
0-1	0-60
0-1,6	0-100
0-2,5	0-160
0-4	0-250
0-6	0-300
0-10	0-400
0-16	0-600
0-25	
0-40	

ROLL CHARTS	
0-1	0-60
0-2,5	0-100
0-6	0-160
0-10	0-250
0-16	0-300
0-25	0-400
0-40	0-600