10" Circular Chart Recorders and Recording Controllers

Measure, display, and record up to two process variables

This microcontroller-based, one- or two-pen, 10" circular chart recorder is available in four versions: basic recorder, limit recorder, recording controller, and recording profile controller. The controller is capable of controlling any process from simple on/off to dual 4 to 20 mA outputs with full PID on both pens. Can be panel- or surface-mounted.

49011-90

Standard Features

- 4-digit display per pen
- Universal isolated sensor input: thermocouple, RTD, mA, mV, or V
- Chart speed from 0.1 to 999.9 hours
- Disposable fiber-tipped pens: red, green

Optional Capabilities

- 2 programmable alarms per pen
- Up to 8 relay-type outputs
- Up to four outputs at 4 to 20 mA
- Process value retransmission
- RS-485 communications
- 24 V transmitter power supply
- Door lock
- Watertight enclosure

Optional Controller Capabilities

- On/off time proportioning, or current proportioning control
- Single- or dual-control output
- Position proportioning for use with slidewire feedback
- Relay, SSRD, or mA outputs
- Remote setpoint input

Optional Profiler Capabilities

- Profile one or two pens
- 8 profiles, each with 6 ramps and 6 soaks
- Up to 6 event relay outputs
- Remote Run/Hold

MORE options available call us
0984 843 683

SPECIFICATIONS	
Measurement accuracy	±0.25%
Recording accuracy	±0.5%
Scan rate	1 scan per second
Relay outputs	5 A SPST or SPDT relay outputs
Dimensions (W x H x D)	15⅛" x 13³⁄₁₆" x 3⅝" (384 x 335 x 92 mm)
Power	115 (or 230 optional) VAC powered

What's included: Pack of 100 charts, pen(s), and power adapter.

Catalog No.	Model No.	Description
TS-49011-88	710000000021	1-channel chart recorder, standard cover, 115 VAC
TS-49011-93	711000000021	2-channel chart recorder, standard cover, 90 to 115 VAC
TS-49011-89	740200000021	1-channel chart recorder, 2- relays, standard cover, 115 VAC
TS-49011-90	741200000021	2-channel chart recorder, 2- relays, standard cover, 115 VAC
TS-49011-91	710200000021	1-channel recording controller chart recorder, 2- relays, standard cover, 115 VAC
TS-49011-92	711200000021	2-channel recording controller chart recorder, 2- relays, standard cover, 115 VAC
Accessories		
TS-49013-05	00214714	10" charts, 24 hour, 0 to 10. 100/box
TS-49012-83	00213825	10" charts, 24 hour, 0 to 100. 100/box
TS-49012-84	00213826	10" charts, 7 day, 0 to 100. 100/box
TS-49012-78	00213806	10" charts, 7 day, 0 to 200. 100/box
TS-49012-76	00213801	10" charts, 24 hour, 0 to 200. 100/box
TS-49012-86	00213883	10" charts, 24 hour, 0 to 300. 100/box
TS-49012-77	00213802	10" charts, 24 hour, 0 to 400. 100/box
TS-49012-81	00213817	10" charts, 24 hour, 0 to 600. 100/box
TS-49012-80	00213810	10" charts, 24 hour, 0 to 2000. 100/box
TS-49014-98	60500402	Red pens, 5 pack
TS-49014-99	60500401	Green pens, 5 pack
TS-49015-23	64402001	Mounting brackets
TS-17110-00	**—**	**NIST-traceable calibration with data**