

RATE-OF-DROP TEST KIT



THE ATI ROD TEST KIT

IS ESSENTIAL IN CALIBRATING
PRESSURE TRIP POINTS



The ATI Rate-of-Drop (ROD) Test Kit is used to calibrate and simulate various pipeline operating scenarios in order to test automation control strategies. Supplied in a portable self-contained enclosure, the Rate-of-Drop test kit is easily connected to the control system in the field. Quick-disconnect ports, and precision gauges are included to measure the pipeline pressure and various pressures within the control module. The test kit is also used to calibrate the trip points for the Line Break, Station Bypass, High and Low Pressure ESD control modules. Various emergency scenarios can then be simulated, under live conditions, to test control action without inadvertently causing a shutdown. Utilizing the Rate-of-Drop test kit to calibrate and test control modules ensures the valve activates when and only when desired.



FEATURES & ADVANTAGES



- Accurate testing of Line Break with pipeline pressure level monitoring
- Determines pre-set rate-of-drop trip point
- Easy connection to test ports and isolation valves on line break module
- Station Bypass control module test ports connect the test kit in parallel with the differential pressure sensing lines from the suction and discharge of the compressor station

- Using the precision differential and digital pressure gauges, a station failure can be simulated and the exact trip point calibrated.
- ROD test kit can also calibrate and test all other high or low pressure ESD control modules
- ATI technicians, utilizing the Line Break calibration charts, can test the setpoint of the differential switching valve against simulated rates of pressure drop to obtain an exact trip point