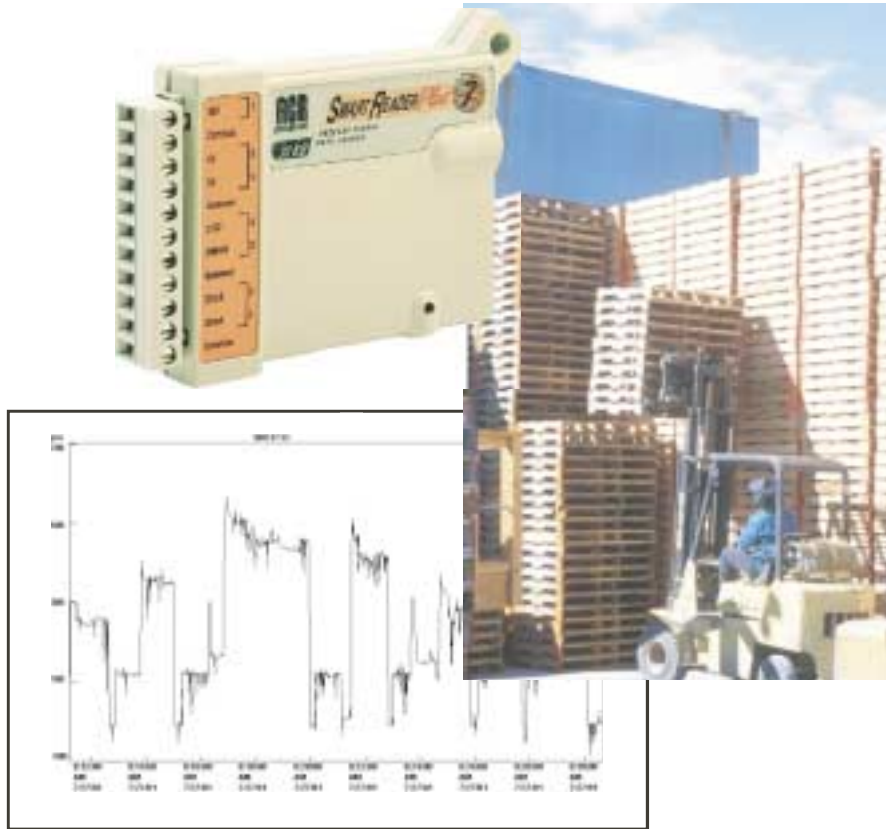


# Load Monitoring

Using ACR Data Loggers



TrendReader Software

Connecting a pressure transducer to either one of the ACR Process Data Loggers (Owl, SR, SRP) makes it easy to track Fork-Lift work loads. By attaching a 500psiA 4-20mA output pressure transducer to the main hydraulic shaft (insert a coupler where the main hose connects to the shaft) one can determine weight in relation to Pounds Per Square Inch (PSI). Since all Fork-Lifts are different, a known weight is required to determine the milliamp/voltage output of the pressure transducer. By lifting a known weight to 1' off the ground, take a reading of mA or mV or VDC (transducer dependent) - the reading in electrical output and in pressure, now represents actual weight. With the pictured Fork-Lift a 5.43mA output equals 1040 lbs. To use the Fork-Lift as a Weigh Station, readings must all be taken at the initial measurement height of 1 foot.

## Another data-logging solution from ACR Systems.

Recommended Loggers - SmartReader Plus 7