

# Weighing Module Overview

## General Characteristics

The **PME SWT 0100** is a versatile and flexible weighing module controller, which can be used wherever weighing scales are to be used in the Schneider Electric Mx80 automation system. The modules main features are:

- Install on either M580 local CPU rack or X80 RIO rack of Ethernet backplane
- Uniform design technology and consistent communication via Ethernet backbone
- Uniform configuration with UNITY V8.0 or latter.
- Configuration, calibration and diagnosis via FDT/DTM.
- Measurement of weight or force with high resolution of 24 bits A/D converter
- High weighing accuracy 0.01 %
- External Measurement response time of 10ms
- Internal measurement rate up to 400 Hz
- 2 x Digital Inputs for monitoring of limit values
- 4 x Digital Outputs for dosing control
- Parameter definable inputs and outputs
- Continuous flow rate calculation
- Theoretical adjustment possible without adjustment weights
- RS485 communication port for dedicated local HMI
- Factory Pre-calibration
- Replacement of the module possible without a new adjustment of the scale
- Use in Hazardous area zone 2 and 22 (ATEX approval), class I division 2 (cULus approval)
- Intrinsically safe load cell powering for the hazardous area Zone 1 (With optional SCAIME Zener barrier kits)

