All sensors in these examples are 100% powered by the XR450's U9VL internal battery. Using a standard 9V Alkaline battery will reduce Battery Life time by about 50%.

Configuration 1: One channel ON: any 1 sensor/signal: temperature probe, resistance or DC voltage.

Sample Rate	1 hour	15 min	5 minutes	1 min	10 sec	2 secs
Battery Life	4.7 years	4.6 years	4.5 years	4.2 years	2.8 years	1.1 years
Max Log Time	9.8 years	2.5 years	9.8 months	60 days	10 days	2.4 days

All configurations below use all 4 channels (each configuration logs four physical parameters)

Configuration 2: Mix & match any combination of 4: temperature probes, resistances or DC voltages. Sample Rate 1 hour 15 minutes 5 minutes 1 minute 10 seconds 2 seconds **Battery Life** 4.7 years 4.6 years 4.5 years 2.8 years 1.1 years 4.2 years Max Log Time 2.5 years 7.4 months 2.5 months 14 hours 14.9 days 2.5 days

Configuration 3: Any one: P350 or P600 Series Pressure Sensor, plus

any combination of 3: temperature probe, resistive or DC voltages (E terminal: 2 mA).

Sample Rate 1 hour 15 minutes 5 minutes 1 minute 10 seconds 2 seconds Battery Life 4.6 years 4.6 years 4.5 years 3.6 years 1.7 years 6 months

Configuration 4: Mix & match any combination of 4: P350 or P600 Pressure Sensors (E term: 8 mA).Sample Rate1 hour15 minutes5 minutes1 minute10 seconds2 secondsBattery Life4.6 years4.5 years4.4 years3.6 years1.7 years6 months

Configuration 5:Any comb. of 4: P400, P450, P1600 or P1650 Pressure Sensors (E term: 14 mA).Sample Rate1 hour15 minutes5 minutes1 minute10 seconds2 secondsBattery Life4.6 years4.5 years4.3 years3.3 years1.4 years4.3 months

Configuration 6: Any combination of 2: P400, P450, P1600 or P1650 Pressure Sensors, plus any combination of 2: temperature probe, resistive sensor, voltage signal (E terminal: 7 mA). Sample Rate 1 hour 15 minutes 5 minutes 1 minute 10 seconds 2 seconds **Battery Life** 4.6 years 4.5 years 4.4 years 3.7 years 1.8 years 6.5 months

Configuration 7: One Barometric Pressure Sensor plus

any combination of 3: temperature probe, resistive sensor or voltage signal (E terminal: 6 mA).

Sample Rate 1 hour 15 minutes 5 minutes 1 minute 10 seconds 2 seconds

Battery Life 4.6 years 4.6 years 4.4 years 3.8 years 1.9 years 6.9 months

Configuration 8: Two TRH-100 Temperature Humidity Probes (E terminal: 0.8 mA for 0.1 seconds).Sample Rate1 hour15 minutes5 minutes1 minute10 seconds2 secondsBattery Life4.6 years4.5 years4.4 years3.5 years1.6 years5.2 months

Notes:

- 1) Refer to Configurations 1 & 2: Reducing ON channels increases log time, but not battery life.
- 2) Max Log Time shown for Configuration 2 is the same for Configurations 3 8 (Four channels ON).
- 3) Using Real Time Mode 24/7 or Average mode results in battery life similar to 2 second Sample Rate.
- 4) Communication & data transfers have little effect on battery life as the USB interface supplies power.