

Display parameter	Axis title	Unit	Remark/Definition
	Time	[yyyy.mm.dd hh:mm:ss]	Time stamp - used for time graphs
"CR"	Corrosion rate	[$\mu\text{m}/\text{year}$]	Corrosion rate
"Thickness"	Thickness	μm	Remaining element thickness, ER probe
"E _{ON,structure} "	Potential	[V]	DC potential, structure to electrolyte (ON)
"E _{IR-free,coupon} "	Potential	[V]	Polarized potential of coupon, J _{dc} *R _s compensated
"E _{OFF,coupon} "	Potential	[V]	Polarized potential of coupon, Instant-disconnect method
"E _{OFF,structure} "	Potential	[V]	Polarized potential of structure, Instant-off method
"U _{AC,structure} "	AC Voltage	[V]	AC voltage, structure to soil
"I _{DC,coupon} "		[mA]	DC current, coupon
"J _{DC,coupon} "	DC Current Density	[A/m ²]	DC current density, coupon
"I _{AC,coupon} "		[mA]	AC current, coupon
"J _{AC,coupon} "	AC Current Density	[A/m ²]	AC current density, coupon
"R _{S,coupon} "	Spread Resistance	[Ωm^2]	Spread resistance (U _{ac} /J _{ac})
"R _R "		[m Ω]	Resistance of reference element, ER probe
"R _C "		[m Ω]	Resistance of coupon element, ER probe
"T _{,coupon} "	Temperature	[°C]	Probe temperature
"T _{,logger} "	Temperature	[°C]	Logger temperature
"A"		[cm ²]	Area of the exposed part of probe/coupon
"R _{R0} "		[m Ω]	Initial resistance of reference element, ER probe
"R _{C0} "		[m Ω]	Initial resistance of coupon element, ER probe
"d ₀ "		[μm]	Initial thickness of coupon element, ER Probe
"T ₀ "		[°C]	Calibration temperature
" α "		[1/°C]	Temperature coefficient
"V _{ON,shunt} "		[mV]	DC voltage across shunt (ON)
"V _{OFF,shunt} "		[mV]	DC voltage across shunt (OFF)
"V _{AC,shunt} "		[mV]	AC voltage across shunt

"R _{shunt} "		[mΩ]	Shunt resistance
"V _{ON,LCS} "		[μV]	DC voltage drop along pipe span (ON)
"V _{OFF,LCS} "		[μV]	DC voltage drop along pipe span (OFF)
"V _{AC,LCS} "		[mV]	AC voltage drop along pipe span
"R _{AC,LCS} "		[mΩ]	Pipe span impedance. Measured
"R _{DC,LCS} "		[mΩ]	Pipe span resistance. Table value or measured
"I _{ON,LCS} "	Current	[A]	Calculated Line Current ON. V _{dc,LCS} / R _{dc,LCS}
"I _{OFF,LCS} "	Current	[A]	Calculated Line Current OFF. V _{off,LCS} / R _{dc,LCS}
"ΔI _{LCS} "	Current	[A]	I _{dc,LCS} - I _{off,LCS}
"I _{AC,LCS} "	AC Current	[A]	AC line current (only with R _{ac,LCS}) V _{ac,LCS} / R _{ac,LCS}
"I _{ON,TR} "	Current	[A]	DC current in the cathode (pipe) connection
"I _{OFF,TR} "	Current	[A]	DC current in the cathode (pipe) connection (off)
"I _{AC,TR} "	AC Current	[A]	AC current in the cathode (pipe) connection
"V _{ON,TR} "	Voltage	[V]	DC voltage across T/R (Anode +, Pipe -)
"V _{OFF,TR} "	Voltage	[V]	OFF voltage across T/R (Anode +, Pipe -)
"V _{AC,TR} "	AC Voltage	[V]	AC voltage across T/R (Anode, Pipe)
"I _{ON,bond} "	Current	[A]	DC current across shunt
"I _{OFF,bond} "	Current	[A]	DC current across shunt (off)
"I _{AC,bond} "	AC Current	[A]	AC current across shunt
"E _{ON,foreign} "	Potential	[V]	DC On potential of foreign pipe
"E _{OFF,foreign} "	Potential	[V]	DC Off potential of foreign pipe
"U _{AC,foreign} "	AC Voltage	[V]	AC voltage of foreign pipe
"E _{ON,casing} "	Potential	[V]	DC on potential of casing
"E _{OFF,casing} "	Potential	[V]	DC off potential of casing (during off on pipe)

"U _{AC,casing} "	AC Voltage	[V]	AC voltage of casing
"I _{ON,GA} "	Current	[A]	DC current from galvanic anode
"I _{OFF,GA} "	Current	[A]	DC current from galvanic anode (off)
"I _{AC,GA} "	AC Current	[A]	AC current between galvanic anode and structure
"V _{ON,GA} "	Voltage	[V]	DC voltage across GA (Anode +, Pipe -)
"V _{OFF,GA} "	Voltage	[V]	OFF voltage across GA (Anode, Pipe)
"V _{AC,GA} "	AC Voltage	[V]	AC voltage across GA (Anode, Pipe)
"R _{S,GA} "	Resistance	[Ω]	Galvanic anode groundbed resistance (U _{ac} /I _{ac})
"E _{DC,REF} "		[mV]	Potential measured against master RE
"R _{EE,RE} "	Resistance	[Ω]	Resistance between Earth Electrode and Remote Earth
"R _{structure,RE} "	Resistance	[Ω]	Resistance between Structure and Remote Earth
"R _{EE,structure} "	Resistance	[Ω]	Resistance between Earth Electrode and Structure
"W _{coupon} "		[g]	Weight of coupon metal
"t _{pipe} "		[mm]	Pipe wall thickness
"D _{pipe} "		[m]	Pipe outer diameter