

DATA SHEET

Insulation and high voltage tester IL 3801F / IL 3881F



Insulation tester IL 3801F
Desktop device 14" / 3 HU



Insulation tester IL 3881F
Plug-in 19" / 4 HU in housing

Description	The safety current limited (< 12 mA DC) devices IL 3801F and IL 3881F can be used both as insulation measurement device and as high voltage test device. The different interfaces allow the application in test fields and in automatic systems. Due to the electronically processed high voltage with low residual ripple the result is highest precision.	
High voltage test DC	Voltage range	100 up to 3,000 V
	Current range	0 up to 4 mA
	Short circuit current	< 12 mA
	Residual ripple	< 3 %
Insulation measurement DC	Voltage range	100 up to 3,000 V
	Measuring range (voltage dependent)	500 kΩ up to 1.5 GΩ
	Short circuit current	< 12 mA
	Residual ripple	< 3 %
Continuity test	Measuring range	0 up to 500 mA
Technology	<ul style="list-style-type: none"> • Fully electronic generator • A dynamic memory administration allows to save an unlimited number of test programmes • All parameters are freely programmable • Time base 0.1 to 999.9 s 	
Subjective tests	Text step	subjective or informative
General data	Dimensions (HxWxD) and weight desktop device 14" / 3 HU: IL 3801F	159 x 360 x 331 mm / approx. 8.5 kg 6.3 x 14.2 x 13.0 in. / approx. 18.7 lbs.
	Dimensions (HxWxD) and weight plug-in 19" / 4 HU: IL 3881F	222 x 483 x 483 mm / approx. 13.0 kg 8.7 x 19.0 x 19.0 in. / approx. 28.7 lbs.
	Mains supply	230 V / 50 Hz, option 115 V / 60 Hz
Interfaces	Computer interfaces	2 x USB, RS 232, Ethernet / LAN
	Digital interface 24 VDC	8 input + 8 output
	Analogue interface 10 VDC	2 x input
Operation	Rotary encoder	5.7"-TFT colour display