DATA SHEET

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

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
- 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