

# NMS PP LED3G

## Digital profile projector

**NMS PP LED3G** is a profile projector developed specifically for the cable industry to measure parameters of cable isolations within production process and/or in a laboratory.

Deploying the projector to production process will save up to 30% of production costs.

### Utilisation in the cable industry

It measures isolation dimensions of core, fill and outer jacket of all types industrial cables (round, sector, 3-layer, flat, overground cables etc.). The projector allows measuring of both close and open samples.

It provides evaluations of geometric parameters according to the applicable norms: min/max isolation width, min/max outer and inner diameter, centricity, ovality, fill area.



### Innovation technologies

Following ten years of development, the 3rd generation of NMS PP LED3G profile projector has been launched to provide various improvements for better performance, superior and more accurate results.

#### Innovation

#### Result

Efficient LED lighting



non-maintenance technology, more homogenous light, high temperature stability

New cameras with better performance, accuracy and resolution



higher resolution and more accurate reading

More robust aluminium construction, steel base



high mechanical and temperature stability of system

Software improvements



new functions, new language versions, easy updating, integration with various databases of customers

## Advantages of NMS PP LED3G profile projector

- High precision
- Very high reading speed <1 sec
- Measuring scopes configuration according to customer's needs
- Software-managed reading and evaluation (independent of operator)
- Fully automated measuring
- Low price
- Production costs saved by up to 30%

## Software main characteristics

- very stable and user-friendly interface
- Statistical evaluation available
- Measurement accuracy control
- Evaluation against nominal values
- Multi-level user environment (administrator, technologist, operator)
- Control of individual users measurements available
- Communication with products databases (SAP) available
- Manual measuring available

## Parameters of NMS PP LED3G profile projector

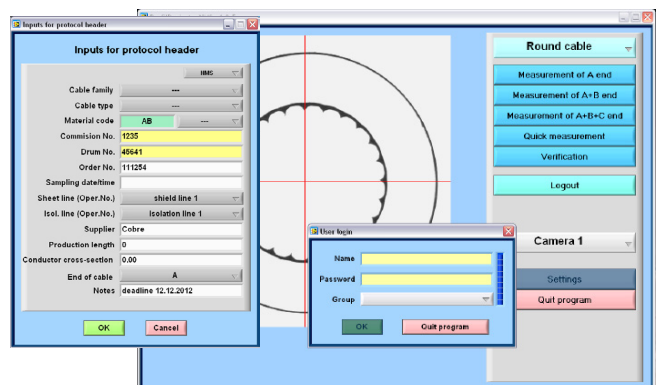
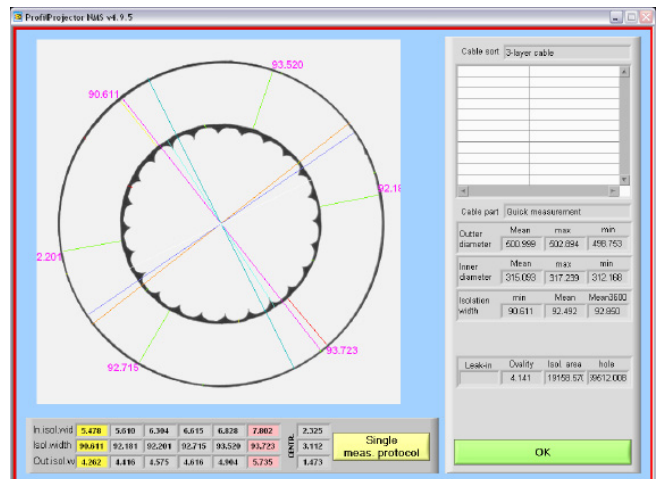
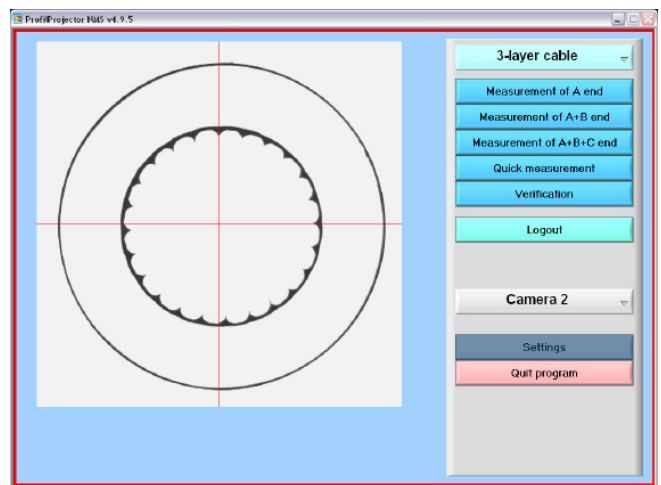
- Measurement scope from 10x10mm to 90x90mm
- Facility resolution 2µm
- Windows 7
- Measurement time for one sample <1 sec
- Dimensions 300x450x1300mm, 55 kg

## NMS s.r.o.

Manufacture, sale, installation, calibration

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NMS Demo		Single measurement protocol		19/09/2012 10:52:36 AM
Cable type:	3 - LAYER CABLE	Date/Time of taking:	19/09/2012	
Cable family:		Sheet line (Operator No.):	MP	
Material code:	1243BrvE	Isol. line (Operator No.):	qwer1213	
Commission No.:		Supplier:	3	
Drum No.:	45641	Conductor cross-section:	5000	
Order No.:	111254	Production length:	1	
User:	matko (Jan Matko)	Notes:		
User Group:	2 (vyvolupná kontrola)			

Part of cable	R	Isolation width					Outer diameter					Inner diameter					Sector/Stride or Flax cable	Wall area	Circle length	Circumf.	Leak in
		min	max	mean	st. dev.	CV	min	max	mean	st. dev.	CV	min	max	mean	st. dev.	CV					
1. conductor	A	0.475	0.602	0.440			113.166	117.218	113.081	251.474	100.793	207.428			580.7	5300	2.125				
Quick meas.	A	76.622	75.727	72.472	72.850		492.709	502.094	496.999	512.168	517.229	512.070			117215.6	41142	2.112				
2. conductor	A	2.262	1.719	1.974			509.649	512.210	511.381	498.741	492.894			3876.0		1.871					

