

# digital quality control...



fail ~~###~~ ~~###~~

pass ### ### ###

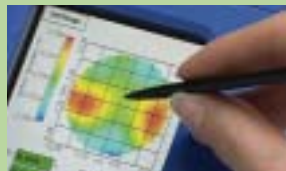
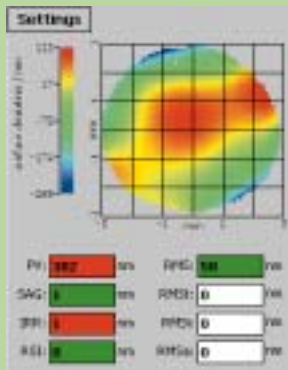
μPhase® smartgage – The clever innovation in digital metrology by FISBA, which lets you smarten up your quality management and economize your production processes, yet spares your budget.

### Smart design, smart to use

The μPhase® smartgage includes the latest technology in the field of metrology. The clever integration of digital intelligence gives you fast, secure and reliable measurement results at the press of a button.

With its small size, you can place this stand-alone instrument almost anywhere. No additional computer or terminal is needed. You can actually use it in rough workshop environments, thanks to its insensitivity to vibration and its robust design.

And what's even better – you can easily transfer your measurement results to other applications. The μPhase® smartgage can be linked to your server via ethernet or use a USB stick to hand over your measurement results.



μPhase® smartgage is the ideal metrology solution for monitoring and controlling production processes of optics, such as lenses of mobile phones, camera modules or digital camera lenses.

This innovative and digital measurement instrument gives you an accurate assessment of digital surface deviations on spherical, flat and aspheric components. All within a second. It even includes pass/fail indication and analysis of PV, RMS and ISO coefficients.



### Smart enough for your budget – Smart enough to make money

μPhase® smartgage helps you make the best of your investments, by giving you

- certified measurement results
- unchallengeable data quality
- efficient control of production processes
- easy-to-use technology

### Phase® smartgage – the smart solution when

- high measurement frequency is required
- a high dynamic measurement range is a must

...at your fingertips



# ...in three versions

**BASIC**  
**STANDARD**  
**ADVANCED**

- Measurement of flat and spherical samples
- PV, RMS, ISO Coefficients
- PASS / FAIL Indication
- Graphical Data Display
- Relative ROC Measurement
- Storage of Numerical Measurement Results
- Measurement Data Protocol
- Use of customized Templates
- LAN, USP Interfaces
- Upgrade

	BASIC	STANDARD	ADVANCED
Measurement of flat and spherical samples	+	+	+
PV, RMS, ISO Coefficients	+	+	+
PASS / FAIL Indication	-	+	+
Graphical Data Display	2D	2D	1D, 2D
Relative ROC Measurement	-	-	+
Storage of Numerical Measurement Results	-	+	+
Measurement Data Protocol	-	-	+
Use of customized Templates	-	-	+
LAN, USP Interfaces	+	+	+
Upgrade	+	+	-

The Phase® smartgage is available in three different versions: BASIC, STANDARD and ADVANCED. The custom made solution sets new trends for economic investments.

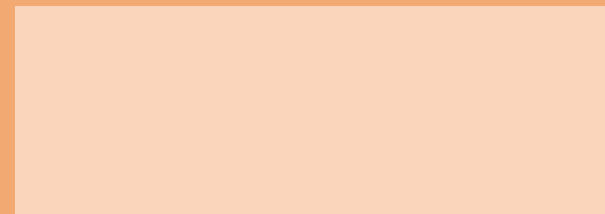
## The μPhase® Family

μPhase® smartgage complements the well proven and unique μPhase® digital compact interferometer product line.

The μPhase® smartgage was designed explicitly for use in high volume production of small optical components. The state-of-the-art technology of the μPhase® smartgage ensures an effective application in production areas, contributes to higher production yield and leads to more satisfied customers in the end.

μPhase® interferometer systems on the other hand are the ideal solution for complex measurement tasks in R&D centers, quality management and production facilities.

For more information on our products please get in touch with us directly or contact your nearest agent.



FISBA OPTIK AG  
Rorschacher Strasse 268  
CH-9016 St. Gallen, Switzerland  
T +41 (0)71 282 31 31  
F +41 (0)71 282 31 30  
metrology@fisba.ch, www.fisba.com

# touch and go...



060705M0050e

We reserve the right to alter product design, range and implement technical changes without prior notice.

