Specifications   Cat. no:

WeldingExpert-5
Dedicated imaging system for weld bead measurement. Consists of compact housing,
LED lighting system, digital camera with motorized zoom and dedicated software for
measurement and reporting. Field of view from 80 to 4.5 mm (3.1" to 0.2"), equivalent to
2.5x - 50x magnification. Includes 5 glass windows (CLSET001), 2 protection covers,
calibration plate (CLCAL001) and necessary cables.
Additional software modules (CLOUT002, CLOUT003, CLDAT002) are ordered separately.
UKAS certificate (CLUKA001) for calibration plate and Plastic covers (CLSET002) are optional.
PC and monitor are required, but not included.   CLWEL019

WeldingExpert-11
Dedicated imaging system for weld bead measurement. Consists of compact housing,
LED lighting system, digital camera with motorized zoom and dedicated software for
measurement and reporting. Field of view from 8.27 to 0.68 mm (0.33" to 0.03"), equivalent
to 20x - 240x magnification. Includes 5 glass windows (CLSET001), 2 protection covers,
calibration plate (CLCAL002) and necessary cables.
Additional software modules (CLOUT002, CLOUT003, CLDAT002) are ordered separately.
UKAS certificate (CLUKA001) for calibration plate and Plastic covers (CLSET002) are optional.
PC and monitor are required, but not included.   CLSYS011

Accessories   Cat. no:

Glass Window
Glass windows for WeldingExpert, 5 pcs.   CLSET001

Glass Window, hardened
Hardened glass windows for WeldingExpert, 5 pcs.   CLWEL003

Process Tracking Module
Software module for process tracking of measurement evolution over a specific time period.   CLOUT002

Data View Module
Software module for extended display of old measurement data and for edition
of old measurement results.   CLDAT002

Min & Max Action Limit Module
Software module for definition of additional min./max. action limits (in addition to the
standard min./max. acceptance criteria limits.) Includes additional report templates.   CLOUT003

Report Generator Module
Software module for creation and editing of Excel report templates.   CLREP002

Plastic Covers
Plastic covers for prevention of water and dirt entering the camera chamber.
With mounting bracket. 100 pcs.   CLSET002

Calibration Plate
Calibration plate for calibration of WeldingExpert-5 measurement software.
50 mm. See CLUKA001 for accredited certificate   CLCAL001

Calibration Plate
Calibration plate for calibration of WeldingExpert-11 measurement software.
50 mm. See CLUKA001 for accredited certificate   CLCAL002

UKAS Certificate for Calibration Plate
Accredited certificate (UKAS) for calibration plate CLCAL001/002. 10 points
calibration. Can only be ordered in combination with CLCAL001/002.   CLUKA001

Coaxial illumination for WeldingExpert-11
Illumination system for improved structural analysis. For WeldingExpert-11   CLWE0020

General Data

WeldingExpert-5
H x W x D: 35 x 24.5 x 22 cm (13.8 x 9.6 x 8.7")
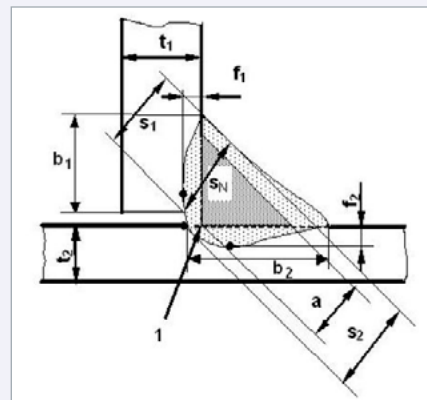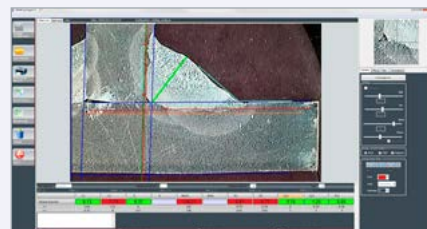4 Kg / 9 lbs

WeldingExpert-11
H x W x D: 42.5 x 24.8 x 22 cm (16.7 x 9.8 x 8.7")
6 Kg / 13 lbs

Power supply
1 x 110-220 V / 50-60 Hz

PC recommendations
Windows XP Pro SP3 / Windows Vista /
Windows 7 / Windows 8 / Windows 10, 32 & 64 bits
2 Ghz Processor / 2 GB RAM /
1280x1024 graphic card (min.)
Excel 2003 Pro Edition or higher
Min. 2 x USB 2.0 ports (camera + dongle)
19" LCD monitor

Measurement

Measurements are easily performed according
to individual standards and acceptance
criterias. Red or green colours quickly indicate
whether you are in or outside tolerances.