



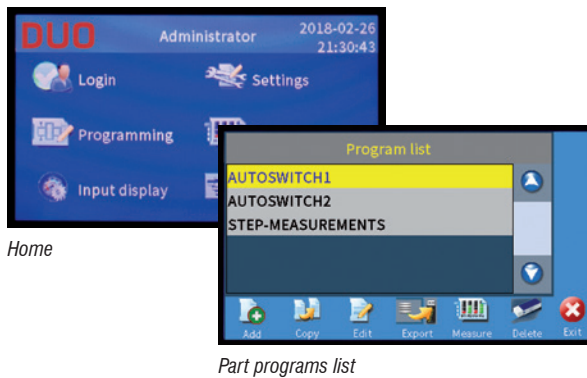
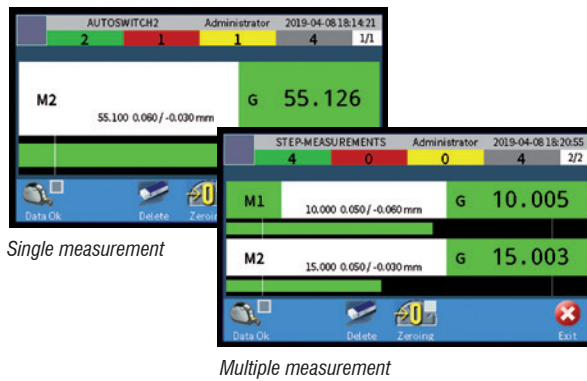
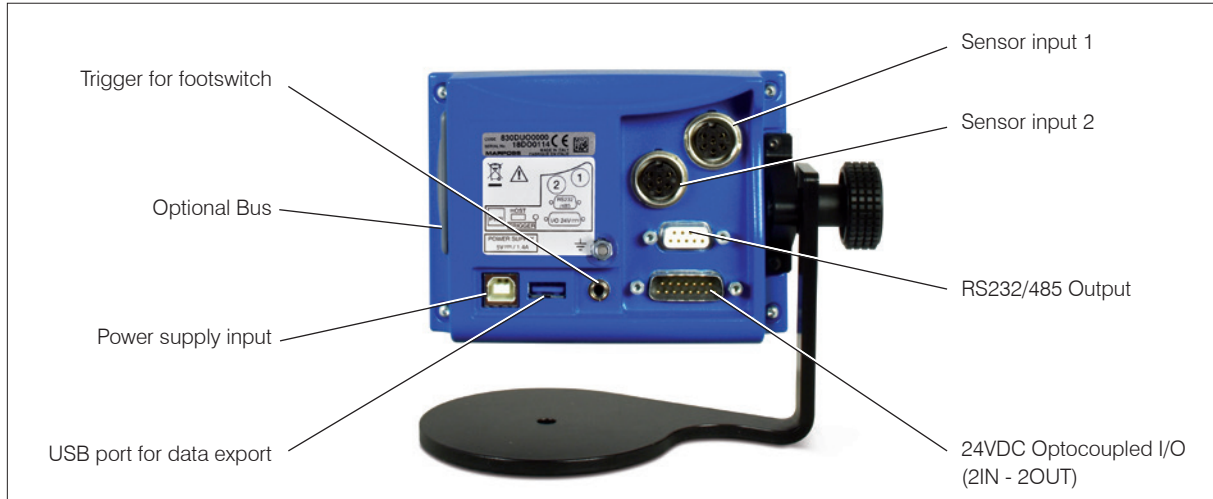
... the premium affordable display unit....

Duo is a premium 4.3" electronic display unit allowing to perform simple measurement applications intuitively and rapidly. As small as a smart phone, Duo is extremely compact and powerful. Designed in response to customer needs, it is a "something in-between" display unit that provides premium features at an affordable price.

PRODUCT FEATURES

- Duo is well-suited for simple manual applications when only a few measurements are needed on the shop floor at any given time. Featuring two sensor input channels, it can simultaneously display two measurements. The system is easy to configure and provides clear visualization of measurement status.
- Duo is designed to work with Marposs LVDT and HBT manual gauges, such as bore gauges M1 and M1 Star, snap gauges M3 Star, ring gauges M4 and M4 Star, and RedCrown/RedCrown2 displacement sensors with a measuring range up to ± 10 mm. It can also connect HBT sensors from Tesa.
- Data collected can be stored internally in the flash memory providing powerful memory capacity, exported through the USB port or the optional Fieldbus port.
- Duo software guarantees a friendly and easy to use operator interface. The true flat touch-screen allows to program and acquire measures without any additional input/command device.
- Easier cycle management through 2 IN (Start/Stop, zeroing), 2 OUT (part good or scrap) and one separate input for a footswitch.
- Designed also for portable use, it can be powered by an external battery (at least 16000 mAh to guarantee one working shift).

MAIN HARDWARE CHARACTERISTICS	
CASE	Robust industrial Aluminum case
PROTECTION	IP54 on front panel; IP40 on rear panel
TOUCH SCREEN	Capacitive, true flat
STORAGE MEDIA	Internal flash memory or removable USB memory device
LCD DISPLAY TYPE	4.3" color TFT
ETHERNET/FIELDBUS	Option
USB PORTS	1 x type B (only for power supply) + 1 x type A
SERIAL PORT	1 x RS232C + 1 x RS485
BENCH-TOP SUPPORT	Reclinable
POWER SUPPLY	5V 1,2A
DIMENSIONS	130 x 95 x 50 mm (5.12" x 3.74" x 1.97")
WEIGHT	1 kg
OPERATING TEMPERATURE	5 ÷ 45 °C (41 ÷ 113 °F)
STORAGE TEMPERATURE	-20 ÷ 70 °C (-4 ÷ 158 °F)



MEASUREMENTS

- Measurement capability up to 2 characteristics
- Dynamic acquisitions [Max, min, Range, Average, (Max-min/2)]
- Multiple measurement display with numeric and graphical layout
- Acquisition command through external signal (footswitch) or touch-screen
- Measurement data transmission through Fieldbus (option) or serial port.
- Part counters
- Remote data storage and export through removable USB memory device.
- Data storage format: .CSV (Microsoft® Excel Comma Separated Values).

CONFIGURATION AND PROGRAMMING

- Multi-language support for European and Asian languages: English, Italian, German, French, Spanish, Portuguese, Swedish, Romanian, Dutch, Polish, Magyar, Czech, Russian, Finnish, Turkish, Japanese, Chinese, Korean.
- Programming interface designed to be used with touch-screen
- Configuration Backup-Restore-Update by USB memory devices
- Password protected multi-user management

HOW TO ORDER

DESCRIPTION	ORDER CODE
Duo for LVDT/HBT sensors	830DU00000

For a full list of address locations, please consult the Marposs official website

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