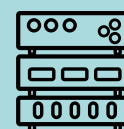# DUOAir D

DIGITAL A/E CONVERTER BOX

Interface Boxes for Data Acquisition

Duo Air D™ is an interface box for easy and economical management of a wide range of air gauges.

It can be supplied with one to four high speed digital air-to-electronics converters with fixed sensitivity nozzles, to connect Marposs as well as non-Marposs gauges.

Product **features**

Duo Air D is available with one to four HSD-AECONV™ high speed digital A/E converters, supplying an RS485 output signal.

Duo Air D is ideal for measurements with small tolerances, requiring high resolution. It is accurate, robust and versatile, accepting air gauges from different manufacturers.

• Max. measuring range: 100 µm

• Linearity error < 0,02 µm on the total working range

• Resolution: 0,01 µm

• Fast response time (< 100 ms)

• Very low air consumption

• Air supply pressure: 3 bar ± 0,1

• IP67 protection degree for the converters

• Operating temperature: 3 to 65°

N.B. Air must be dry and unoiled, with 5µm filtration grade

Duo Air D is conveniently powered and managed by the Duo gauge computer to offer a compact and affordable solution for your measurement applications.

Description	Order code
Duo Air D with 1 air transducer input for K type air gauges	B830DUOADK1
Duo Air D with 2 air transducer input for K type air gauges	B830DUOADK0
Duo Air D with 3 air transducer input for K type air gauges	B830DUOADK3
Duo Air D with 4 air transducer input for K type air gauges	B830DUOADK2
Connecting cable from Duo Air D to Duo (L = 0,35 m)	B6739696775
Connecting cable between digital converters in the Duo Air D 2 ch (L = 0,2 m)	B4159ABDUEF
Duo Air D 1 ch. K type + Duo Basic (standard 0.35 m connecting cable from Duo Air D to Duo included in the supply)	BPSDUD01301
Duo Air D 1 ch. K type + Duo Ethernet/IP (standard 0.35 m connecting cable from Duo Air D to Duo included in the supply)	BPSDUD01311
Duo Air D 1 ch. K type + Duo Profibus (standard 0.35 m connecting cable from Duo Air D to Duo included in the supply)	BPSDUD01321
Duo Air D 1 ch. K type + Duo Profinet (standard 0.35 m connecting cable from Duo Air D to Duo included in the supply)	BPSDUD01331
Duo Air D 2 ch. K type + Duo Basic (std. 0.35 m conn. cable from Duo Air D to Duo and 0.2 m conn. cable between converters included in the supply)	BPSDUD01300
Duo Air D 2 ch. K type + Duo Ethernet/IP (std. 0.35 m conn. cable from Duo Air D to Duo and 0.2 m conn. cable between converters included in the supply)	BPSDUD01310
Duo Air D 2 ch. K type + Duo Profibus (std. 0.35 m conn. cable from Duo Air D to Duo and 0.2 m conn. cable between converters included in the supply)	BPSDUD01320
Duo Air D 2 ch. K type + Duo Profinet (std. 0.35 m conn. cable from Duo Air D to Duo and 0.2 m conn. cable between converters included in the supply)	BPSDUD01330
Duo Air D 3 ch. K type + Duo Basic (std. 0.35 m conn. cable from Duo Air D to Duo and 2 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01303
Duo Air D 3 ch. K type + Duo Ethernet/IP (std. 0.35 m conn. cable from Duo Air D to Duo and 2 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01313
Duo Air D 3 ch. K type + Duo Profibus (std. 0.35 m conn. cable from Duo Air D to Duo and 2 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01323
Duo Air D 3 ch. K type + Duo Profinet (std. 0.35 m conn. cable from Duo Air D to Duo and 2 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01333
Duo Air D 4 ch. K type + Duo Basic (std. 0.35 m conn. cable from Duo Air D to Duo and 3 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01302
Duo Air D 4 ch. K type + Duo Ethernet/IP (std. 0.35 m conn. cable from Duo Air D to Duo and 3 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01312
Duo Air D 4 ch. K type + Duo Profibus (std. 0.35 m conn. cable from Duo Air D to Duo and 3 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01322
Duo Air D 4 ch. K type + Duo Profinet (std. 0.35 m conn. cable from Duo Air D to Duo and 3 x 0.2 m conn. cable between converters included in the supply)	BPSDUD01332

Displacement Sensors

Bore Gauges

Forks and Ring Gauges

Bench Gauges

Indicators and Electronic Display Units

Interface Boxes for Data Acquisition

Software

Application examples

DUO

DUO AIR D 3 CH

DUO

DUO AIR D 2CH

DUO

M1AIR

DUO AIR D 1 CH

DUO Air D