



UDK20 VS. UDK21

COMPARISON MATRIX FEATURES

	UDK20	UDK21
		
Display & operation	4 rows LCD & 4 buttons	5" Touch-Display (capacitive)
Units with bus interfaces	PROFIBUS DP DeviceNet PROFINET IO CC-Link EtherNet/IP EtherCAT Interface assignment and "GSD-file" are identical	
Units with IO interface	Harting connector at industrial enclosure Wiring to terminal blocks at front panel enclosure (FP) Available relay output (R-Version)	Harting connectors, identical signals; Relay outputs (R-Version) not longer available
Sensors	PW42AGS	PW42BGS
Connectors	M23 connector with 6+3 pins	M23 connector with 8+1 pins
Cables	SCPWS-GG SCPWS-GW	SBCPWBS-GG SBCPWBS-GW SBCPWBS-GG-TE (Extension cable)
Sensor Switch Box	SSBUDK10	SSB-UDK21
Sensor brackets	identical	
Functional principle	Eddy current / electromagnetic	
Dimensions Wall Mount Enclosure without connector	Fieldbus: 225x 200 x 73 mm IO: 140 x 205 x 80 mm	280 x 184 x 90 mm
Dimensions Front Panel Mounting without connector	Fieldbus: 240 x 240 x 100 mm / cut out 120 x 136 mm IO: 180 x 180 x 105 mm / cut out 120 x 200 mm	240 x 240 x 100 mm / cut out 230 x 148 mm
Weight	approx. 2.5 kg	approx. 3 kg
Backup / Restore / Update	Interface via Laptop & Software („RPP“) Data backup possible at bus units and IO units with C-Version Data backup not possible at IO units with B-Version	Via USB flash drive Data backup possible at all units
Certificates	CE-certified EN 61000-6-2 EN 61000-6-4 manufactured according to ISO 9001	
Enclosure types	Wall mount enclosure IP65 Front panel mounting IP65 (front side), IP40 (interior side)	
Fault diagnosis	1 error number (first error to occur)	Fault list with history (#255)
Country of origin	developed, produced and assembled in Germany	
Power consumption	60 W (operation: <60 W, idle: <10 W)	
Recipes	255	
Number of sensors	2 channels, up to 4 channels (with switchbox)	
Connections	Tight installation space (-)	Easy accessibility (+)