**Programming Device
UB - PROG 1**

V15 - Cable outlet → Sensor

Cable length: 2 m
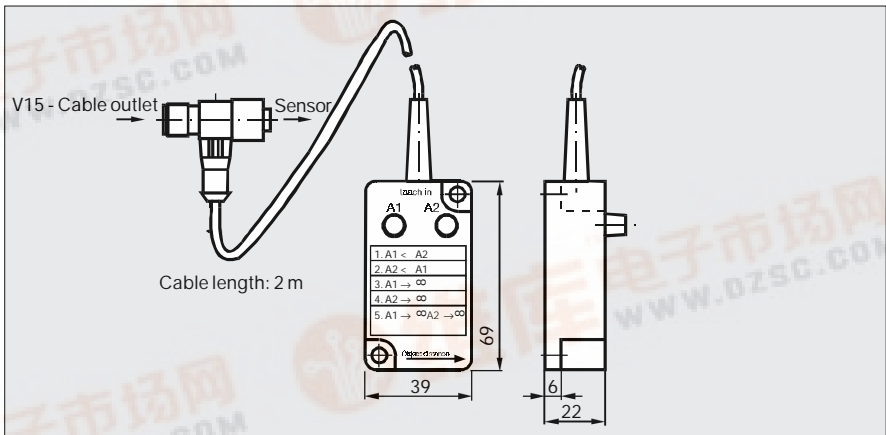
**Programming device
UB-PROG1**

- **for sensors UB 500/2000/4000/
6000-30GM-E0/E2-V15**

- **easy teach-in of the switching
points A1/A2 or measurement
window**

- **easy teach-in of the output
function:
window operation, normally-
open / normally-closed
function
one switch point, normally-
open / normally-closed
function
monitoring of the detection
range**

For the teach-in procedure, the device
can be switched between V15 cable
connection outlet and V15 connector on
the sensor.
With the two pushbuttons A1 and A2, the
switching points/measurement win-
dow and the output function are to be set
according to the given table at the right.

The set switching points and functions
remain after removal of the pro-
gramming device and/or after swit-

	Output functions		Teach-in
Window	**1.** $A_1 < A_2$: normally-open function Object clearance A1 A2		- target near switching point - press pushbutton A1 1s - target far from switching point - press pushbutton A2 1s
	2. $A_2 < A_1$: normally-closed function A2 A1		- target near switching point - press pushbutton A2 1s - target far from switching point - press pushbutton A1 1s
Switching on point	**3.** $A_1 ->\infty$:*) normally-open function A2		- target near switching point - press pushbutton A2 1s - no object in the acquisition range*) - Press pushbutton A1 1s
	4. $A_2 ->\infty$:*) normally-closed function A1		- target near switching point - press pushbutton A1 1s - no object in the acquisition range*) - press pushbutton A2 1s
Monitoring of the acquisition range	**5.** $A_1 ->\infty$, $A_2 -> \infty$:*) object detected: switching output closed no object detected: switching output open		- no object in the acquisition range*) - press pushbuton A1 1s - press pushbutton A2 1s

*) A1 -> ∞ or A2 -> ∞ means that the sonic beam cannot detect an object during
teach-in.
Either all objects will be removed from the acquisition range or
the sound converter on the sensor is covered with the hand. In this way, the
converter must be deactivated.

Display during teach-in	LED green	LED red	LED yellow
Object known	Flashing	Off	Off
No object known	Flashing	Off	On
Object unsure (teach-in not valid)	Off	Flashing	Off