The HART Add-on module is a new extension module for Agile X and offers a HART modem function. It may be connected to a HART loop as secondary master and facilitates applications such as configuring the HART devices. Due to the Windows operating system, the user can deploy all current software solutions and communicate using the FDT/DTM industrial standard. Agile X equipped with HART Add-on module is the new safe solution when working in potentially explosive and non potentially explosive atmospheres: parameter assignment, configuration, measurement and office tasks can be carried out much easier, faster and more safely.

Explosion protection

Type 17-A1Z0-0005

Marking ATEX	⟨Ex⟩ II 2G Ex ia [ia Ga] IIC T4 Gb
Certification	EPS 15 ATEX 1 069 X
Marking IECEx	Ex ia [ia Ga] IIC T4 Gb
Certification	EPS 15.0065X
Marking NEC (USA/Canada)	Class I Div 1 Groups A, B, C, D T4
Certification	CSA 70045374

Type G7-A0Z0-0007

Marking ATEX	⟨Ex⟩ II (2)G [ia Ga] IIC
Certification	EPS 15 ATEX 1 069 X
Marking IECEx	[Ex ia] IIC Ga
Certification	EPS 15.0065X
Kennzeichnung NEC	Use with intrinsically safe outputs in non-potentially explosive atmospheres.

Type B7-A2Z0-0033

Marking ATEX	⟨Ex⟩ II 3G Ex ic [ia Ga] IIC T4 Gc ⟨Ex⟩ II 3D Ex ic [ia Da] IIIB T135 °C Dc
Certification	EPS 15 ATEX 1 823 X
Marking IECEx	Ex ic [ia Ga] IIC T4 Gc Ex ic [ia Da] IIIB T135 °C Dc
Certification	EPS 15.0010X
Marking NEC (USA/Canada)	Class I Division 2 Groups A, B, C and D
Certification	UL File E321557

Other country approvals on request.

Technical data

Size (length x width x height)	125 mm x 125 mm x 24 mm	
Weight	200 g	
Protection class (IEC 60529)	mounted on tablet PC	IP 54
	connector strip (PoGo pins)	IP 20
Operating temperature	in the Ex area	-20 °C to +50 °C
	in the safe area	-20 °C to +60 °C
Storage temperature	-30 °C to +70 °C	
Air humidity during operation	30 % to 95 % (non-condensing)	

HART interface	$U_I \leq$ DC 30 V $I_I \leq$ 130 mA $P_I \leq$ 1 W $U_0 \leq$ DC 3 V $I_0 \leq$ 10 mA $P_0 \leq$ 5 mW $U_m \leq$ DC 60 V max. cable length = 1.8 m
Energy management	Power supply is via the extension interface of the tablet PC
Connection requirements	HART loop connection The HART Add-on module may be connected to a non-certified HART device. Prerequisite: U_m = 60 V or U_I is not exceeded!
HART interface	Function as secondary master DTM communication driver supports FDT version 1.2.1 DTM communication driver supports network read/write/check/search (topology scan) Burst Mode is not supported by the communication driver HART-Protocol supports version 5, 6 and 7
Communication to the host (Agile X)	Via the extension interface of the tablet PC
DTM software	Available DTM software supports the following 64-bit operating systems: Windows 7 Professional Windows 8.1 Embedded Industry Pro Windows 10 Enterprise
Service	1 year standard warranty Further 1 or 2 years on request
Scope of delivery	HART Add-on module, screws, cable set, quick start guide

Ordering information

HART Add-on module for ATEX/IECEx Zone 1; Class I Div 1	**17-A1Z0-0005**
HART Add-on module for non-Ex areas with intrinsically safe outputs	**G7-A0Z0-0007**
HART Add-on module for ATEX/IECEx Zone 2/22; Class I Div 2	**B7-A2Z0-0033**

Technical data subject to change without notice.