

Gantner to AdaMo

ISSUES

poor accessibility of sensor characteristics

poor efficiency during sensor calibration

need to use third-party software

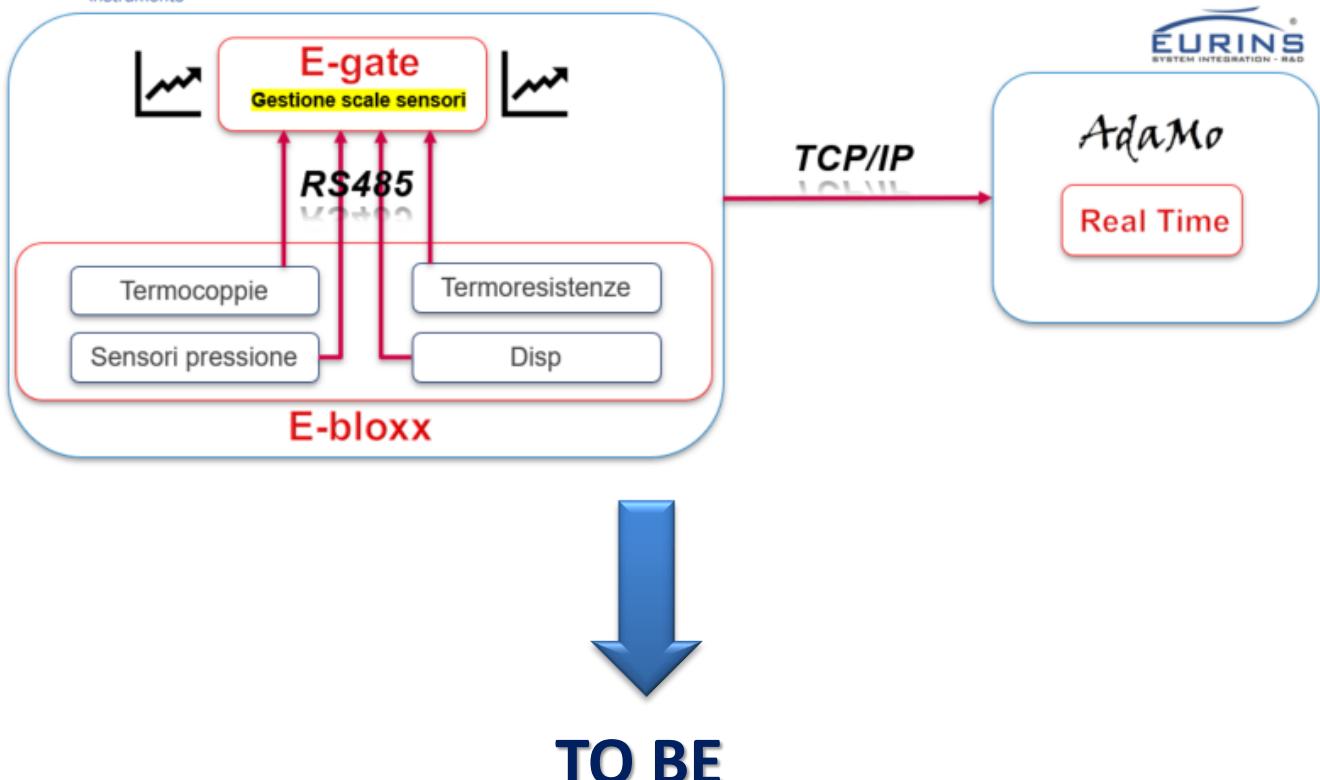
SOLUTIONS

Porting in AdaMo of the management of the sensors scales connected to the Gantner modules, such as: thermocouples/thermoresistances/pressure sensors/voltage analog inputs

Reset scales on Gantner E-Gate

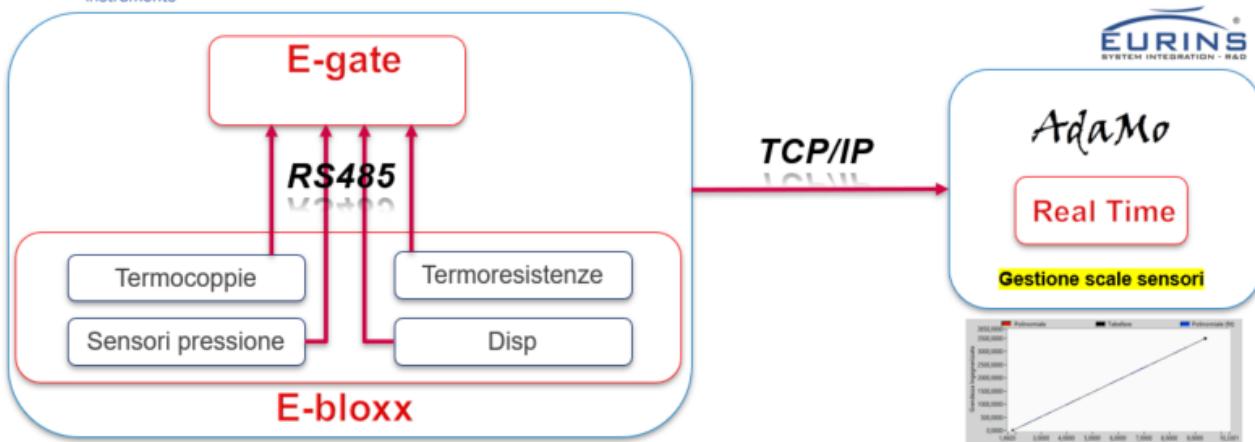
AS IS

Gantner
instruments



TO BE

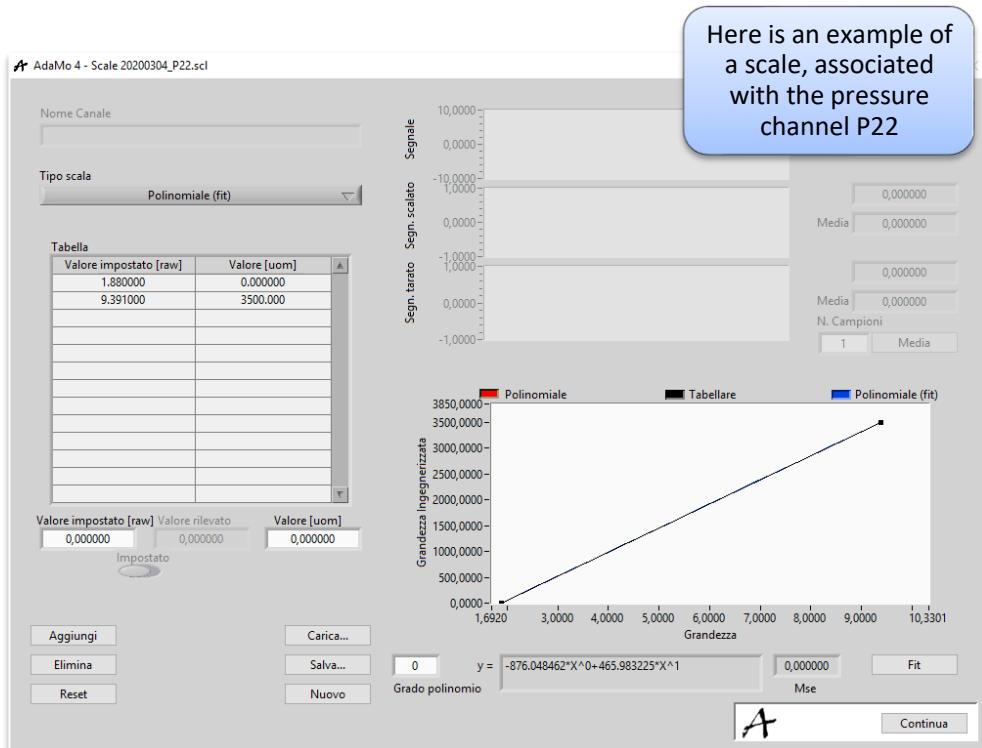
Gantner
instruments



Each of these scales converts a "raw" quantity (eg voltage) into "engineered" quantities (temperature, pressure, etc ...).

The scale details of each physical channel associated with the Gantner E-Gate can be retrieved via ***test.commander***

You can then perform a reset of the values of the same scales, in order to move the logic in AdaMo.



Each Gantner channel corresponds to a RealTime channel in AdaMo, in compliance with the nomenclature applied to the channels previously managed by the E-Gate.

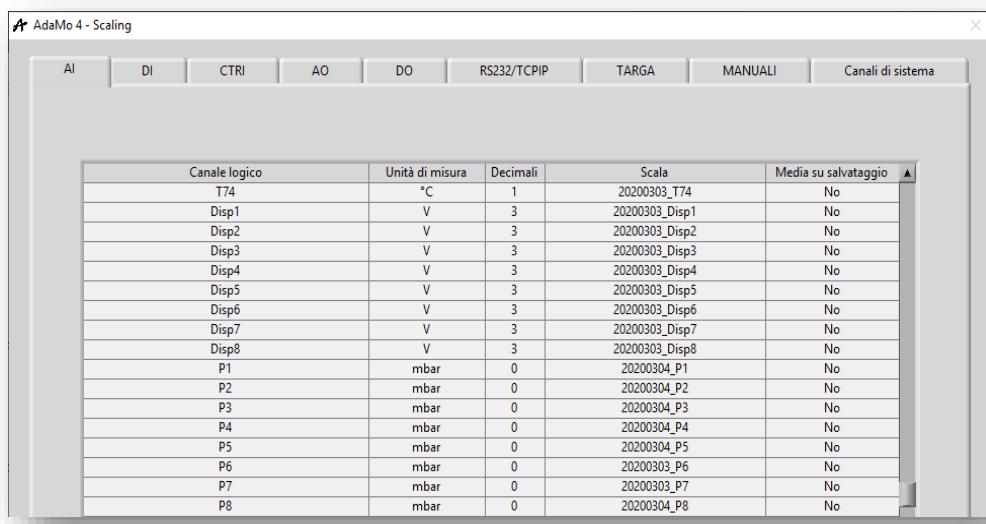
Each of these RealTime channels is associated with a logical channel, defined by the following three values:

number of decimal digits

units of measure

scale

AdaMo 4 - Scaling



The screenshot shows a software interface titled "AdaMo 4 - Scaling". The top menu bar includes buttons for AI, DI, CTRI, AO, DO, RS232/TCP/IP, TARGA, MANUALI, and Canali di sistema. The main window displays a table with the following columns: Canale logico, Unità di misura, Decimali, Scala, and Media su salvataggio. The table lists 16 rows of sensor configurations, with the last row being P8.

Canale logico	Unità di misura	Decimali	Scala	Media su salvataggio
T74	°C	1	20200303_T74	No
Disp1	V	3	20200303_Disp1	No
Disp2	V	3	20200303_Disp2	No
Disp3	V	3	20200303_Disp3	No
Disp4	V	3	20200303_Disp4	No
Disp5	V	3	20200303_Disp5	No
Disp6	V	3	20200303_Disp6	No
Disp7	V	3	20200303_Disp7	No
Disp8	V	3	20200303_Disp8	No
P1	mbar	0	20200304_P1	No
P2	mbar	0	20200304_P2	No
P3	mbar	0	20200304_P3	No
P4	mbar	0	20200304_P4	No
P5	mbar	0	20200304_P5	No
P6	mbar	0	20200303_P6	No
P7	mbar	0	20200303_P7	No
P8	mbar	0	20200304_P8	No

BENEFITS

greater readability of the sensor scales, which can be used directly through the AdaMo interface

greater accessibility when reading the characteristics of the sensors and their calibration