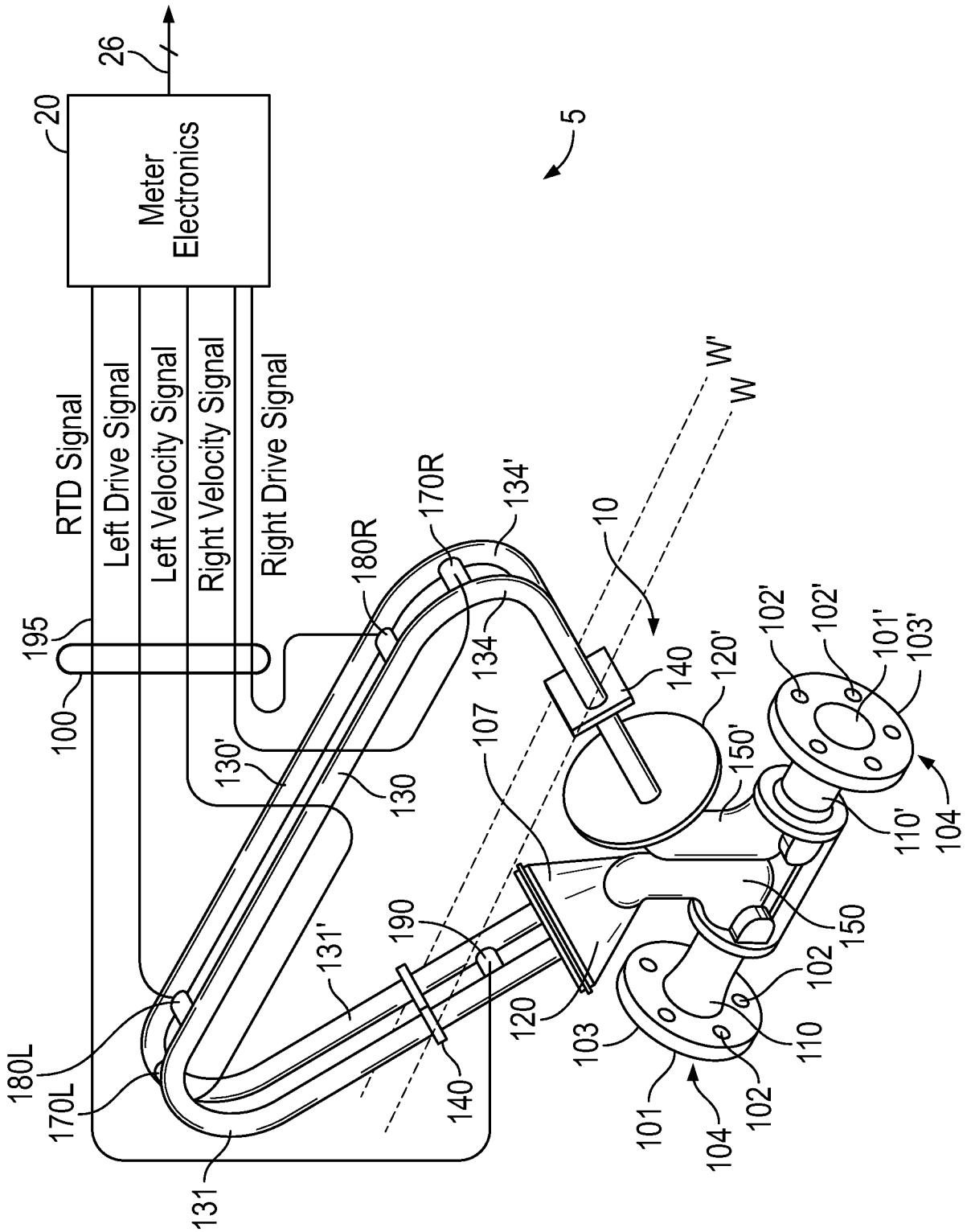
26
20
Meter Electronics
5
RTD Signal
Left Drive Signal
Left Velocity Signal
Right Velocity Signal
Right Drive Signal
W'
W
10
195
100
180R
170R
134'
134
130'
130
107
140
120'
150'
102'
101'
103'
110'
104
180L
170L
131
131'
190
140
120
103
101
104
102
110
150

FIG. 1

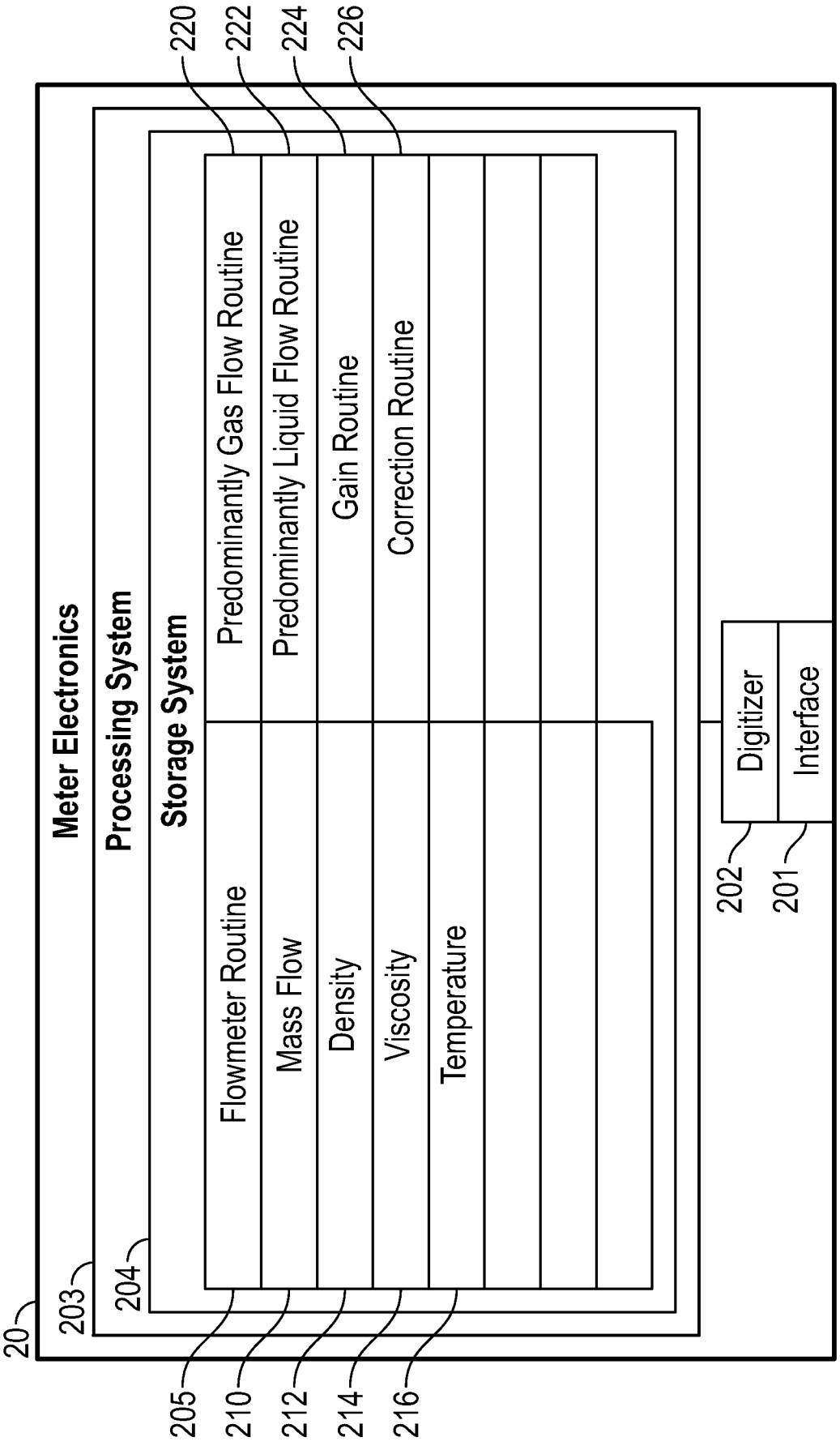
Meter Electronics
Processing System
Storage System
Flowmeter Routine
Mass Flow
Density
Viscosity
Temperature
Predominantly Gas Flow Routine
Predominantly Liquid Flow Routine
Gain Routine
Correction Routine
Digitizer
Interface
20
203
204
205
210
212
214
216
220
222
224
226
202
201

FIG. 2

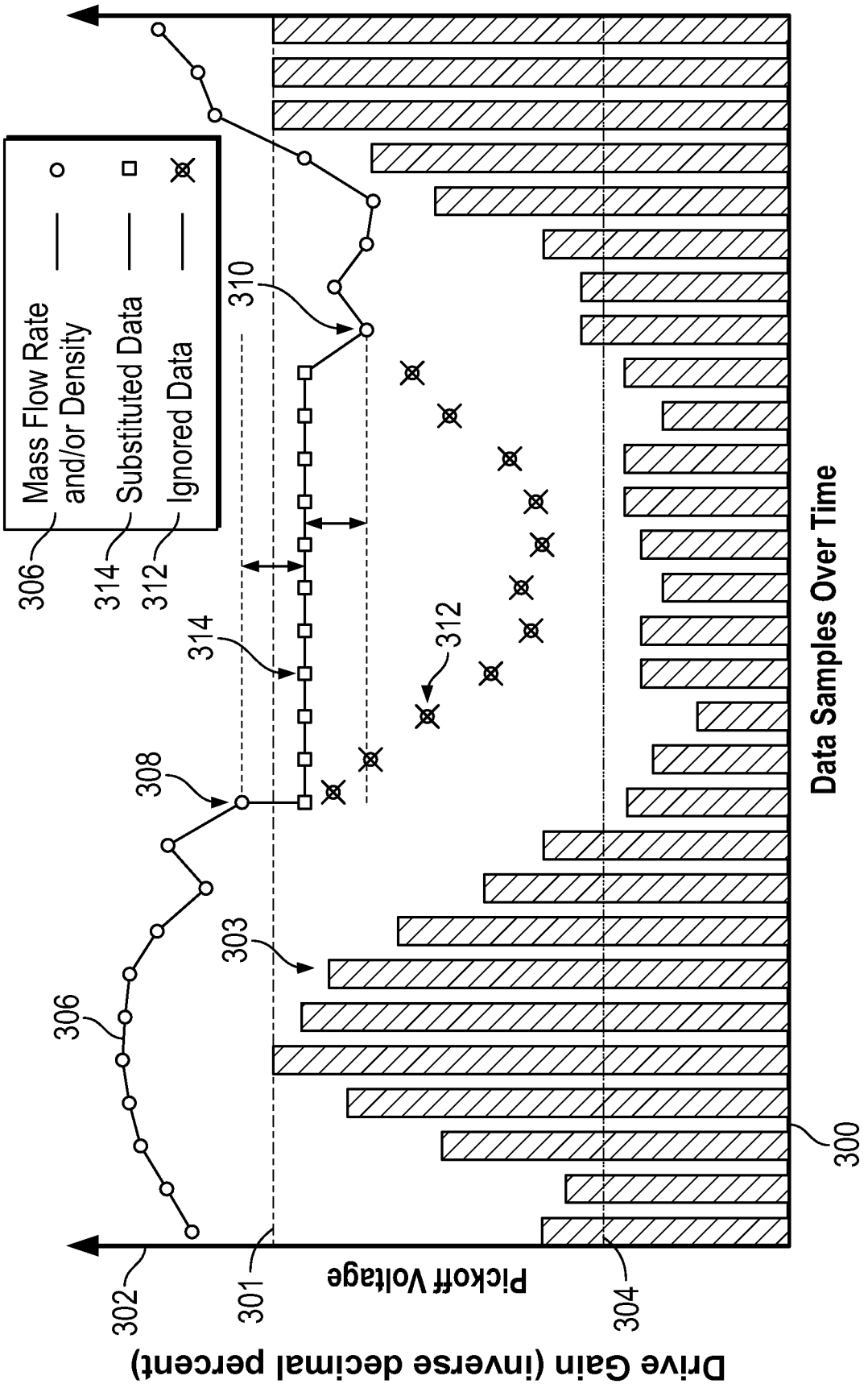
Drive Gain (inverse decimal percent)
Pickoff Voltage
Data Samples Over Time
Mass Flow Rate and/or Density
Substituted Data
Ignored Data
300
301
302
303
304
306
308
310
312
314

FIG. 3

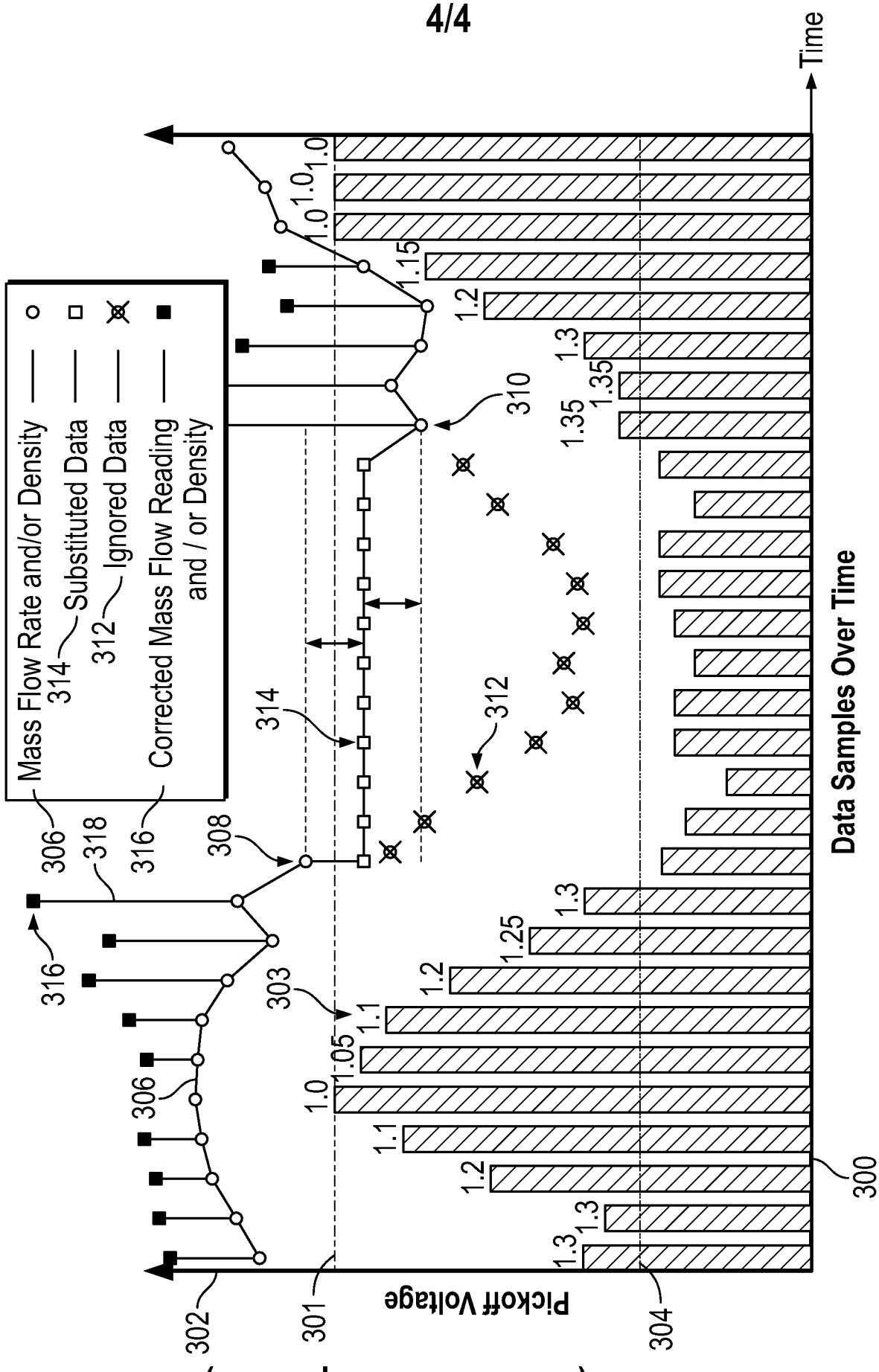
Time
Data Samples Over Time
Drive Gain (inverse decimal percent)
Pickoff Voltage
Mass Flow Rate and/or Density
Substituted Data
Ignored Data
Corrected Mass Flow Reading and / or Density
300
301
302
303
304
306
308
310
312
314
316
318

FIG. 4